EXHIBIT K


Veritext National Deposition \& Litigation Services 866 299-5127

| 1 |  | 1 | APPEARANCE OF COUNSEL (Continued): |
| :---: | :---: | :---: | :---: |
| 2 |  | 2 |  |
| 3 |  | 3 | FOR DEFENDANT ADOBE SYSTEMS: |
| 4 |  | 4 | FISH \& RICHARDSON |
| 5 |  | 5 | BY: MICHAEL E. FLOREY, ESQ. |
| 6 |  | 6 | 600 South Sixth Street |
| 7 |  | 7 | Minneapolis, Minnesota 55402 |
| 8 | Deposition of SUNITA RAJDEV, Ph.D. taken on behalf | 8 | (612) 337-2505 |
| 9 | of Defendants, at Ropes \& Gray, LLP, Three Embarcadero | 9 | florey@fr.com |
| 10 | Center, 3rd Floor, San Francisco, California, commencing | 10 |  |
| 11 | at 9:22 a m., Tuesday, January 10, 2012, before Kelli | 11 | FOR DEFENDANT YAHOO AND AMAZON.COM: |
| 12 | Combs, CSR No. 7705. | 12 | HALTOM \& DOAN |
| 13 |  | 13 | BY: JENNIFER DOAN, ESQ. |
| 14 |  | 14 | JOSHUA R. THANE, ESQ. |
| 15 |  | 15 | 6500 Summerville Road |
| 16 |  | 16 | Texarcana, Texas 75503 |
| 17 |  | 17 | (903) 255-1000 |
| 18 |  | 18 | jdoan@haltomdoan.com |
| 19 |  | 19 | jthane@haltomdoan.com |
| 20 |  | 20 |  |
| 21 |  | 21 |  |
| 22 |  | 22 | Also present: |
| 23 |  | 23 | Paul Hibdon, Videographer |
| 24 |  | 24 | P. Martin Simpson, University of California Counsel |
| 25 |  | 25 |  |
|  | Page 2 |  | Page 4 |
| 1 | APPEARANCE OF COUNSEL: | 1 | SUNITA RAJDEV, Ph D |
| 2 |  | 2 | after having been duly sworn, testified as follows: |
| 3 | FOR PLAINTIFF: | 3 | ---000--- |
| 4 | McKOOL SMITH, LLP | 4 |  |
| 5 | BY: GAYLE ROSENSTEIN KLEIN, ESQ. | 5 | THE VIDEOGRAPHER: Good morning We are 9:22:05AM |
| 6 | One Bryant Park, 47th Floor | 6 | on the record at 9:22 a m on January 10th, 2012 |
| 7 | New York, New York 10036 | 7 | This is the video deposition of Sunita Rajdev, Ph D |
| 8 | (212) 402-9405 | 8 | My name is Peter Hibdon, here with our |
| 9 | gklein@mckoolsmith.com | 9 | court reporter, Kelli Combs We are here from |
| 10 |  | 10 | Veritext National Deposition \& Litigation Services 9:22:24AM |
| 11 |  | 11 | This deposition is being held at Three |
| 12 | FOR DEFENDANT GOOGLE, INC. and YOUTUBE: | 12 | Embarcadero Center, San Francisco, California in the |
| 13 | ROPES \& GRAY, LLP | 13 | case captioned Eolas Technologies, Inc versus |
| 14 | BY: LAUREN ROBINSON, ESQ. | 14 | Google |
| 15 | SASHA RAO, ESQ. | 15 | Counsel, please identify yourselves and 9:22:42AM |
| 16 | 1900 University Avenue, 6th Floor | 16 | state whom you represent |
| 17 | East Palo Alto, California 94303-2284 | 17 | MS KLEIN: Gayle Klein for the |
| 18 | (650) 617-4000 | 18 | Plaintiffs |
| 19 | lauren robinson@ropesgray.com | 19 | MR SIMPSON: Marty Simpson, Regents of |
| 20 |  | 20 | University of California, Office of General Counsel 9:22:50AM |
| 21 |  | 21 | MS DOAN: Jennifer Doan with Yahoo and |
| 22 |  | 22 | Amazon |
| 23 |  | 23 | MR THANE: Josh Thane for Yahoo and |
| 24 |  | 24 | Amazon |
| 25 |  | 25 | MS ROBINSON: Lauren Robinson for Google 9:22:59AM |
|  | Page 3 |  | Page 5 |

## Veritext National Deposition \& Litigation Services



## Veritext National Deposition \& Litigation Services








| 1 | Q Do you have any licensing officers that 9:49:57AM | 1 | THE WITNESS: Yes. 9:51 | 9:51:55AM |
| :---: | :---: | :---: | :---: | :---: |
| 2 | report to you? | 2 | BY MS. DOAN: |  |
| 3 | A Not directly. | 3 | Q Okay. |  |
| 4 | Q And other than the three senior licensing | 4 | And what department was that? |  |
| 5 | officers and the four licensing officers and the two 9:50:10AM | 5 | MS. KLEIN: Objection; form. 9:5 | 9:51:57AM |
| 6 | associates and the director, Dr. Kirschbaum, are | 6 | THE WITNESS: So it has four units -- |  |
| 7 | there any other employees or workers at the | 7 | BY MS. DOAN: |  |
| 8 | University of California, San Francisco in the | 8 | Q Okay. |  |
| 9 | Office of Technology Management? | 9 | A -- Office of Technology Management. So |  |
| 10 | A So it's undergoing a big reorganization $9: 50: 26 \mathrm{AM}$ | 10 | there is the licensing group that's Office of 9:5 | 9:52:04AM |
| 11 | right now, so I -- there is -- Office of Technology | 11 | Technology Management, then there is an industry | ustry |
| 12 | Management, which used to be Office of Technology | 12 | contracts group. |  |
| 13 | Management, is part of a bigger office now, which is | 13 | Q And what were they previously, the |  |
| 14 | called Office of Innovation, Alliances, and | 14 | industry contracts group? |  |
| 15 | Technology. 9:50:38AM | 15 | A They were industry contracts division -- | - 9:52:16AM |
| 16 | Q Okay. | 16 | Q Okay. |  |
| 17 | Tell me that again, the Office of | 17 | A -- of the Office of Sponsored Research. |  |
| 18 | Innovation -- | 18 | Q All right. |  |
| 19 | A Alliances and Technology. ITA. | 19 | A So this ITA was created to have one |  |
| 20 | Q Okay. 9:51:01AM | 20 | industry portal at UCSF, so most of the units that | hat 9:52:29AM |
| 21 | Is -- the Office of Innovation, Alliances, | 21 | interact with the industry are now part of this ITA | IA |
| 22 | and Technology? | 22 | office. |  |
| 23 | A Yes. | 23 | So there is licensing group, which was |  |
| 24 | Q And it goes by ITA? | 24 | OTM, and there is industry contracts group and the | dhen |
| 25 | A Yes. 9:51:08AM | 25 | there is the Center of BioEntrepreneurship, CBE -- | E-- 9:52:41AM |
| Page 34 |  |  |  | Page 36 |
| 1 | Q If I refer to ITA, will you understand 9:51:08AM | 1 | Q Center of BioEntrepreneurship? | 9:52:50AM |
| 2 | that I'm talking about the Innovation, Alliances and | 2 | A Yes. |  |
| 3 | Technology Department at the University of | 3 | Q Okay. |  |
| 4 | California, San Francisco? | 4 | MS. KLEIN: I'm going to object to this |  |
| 5 | A Yes. 9:51:16AM | 5 | line of questioning as beyond the $30(\mathrm{~b})(6)$. 9: | 9:52:54AM |
| 6 | Q And how large is that office? | 6 | THE WITNESS: -- which provides education | ation |
| 7 | (Whereupon, Sasha Rao with | 7 | to UCSF faculty and students. |  |
| 8 | Ropes \& Gray entered the | 8 | BY MS. DOAN: |  |
| 9 | conference room.) | 9 | Q Okay. |  |
| 10 | THE WITNESS: I'm sorry, can I correct 9:51:24AM | 10 | Is it the Office of Business and 9:53: | 9:53:15AM |
| 11 | that? Might be Technology and Alliances. Just ITA. | 11 | Entrepreneurship? |  |
| 12 | BY MS. DOAN: | 12 | MS. KLEIN: Objection to form; beyond the |  |
| 13 | Q The Office of Innovation, Technology and | 13 | 30(b)(6). |  |
| 14 | Alliance? | 14 | MS. DOAN: Actually, I believe it goes to |  |
| 15 | A Some -- yes. It just formed a few months 9:51:33AM | 15 | Supplemental Topic Number 4, Counsel. | 9:53:26AM |
| 16 | ago, so... | 16 | BY MS. DOAN: |  |
| 17 | Q Is the Office of Innovation, Technology | 17 | Q So I want to make sure that I've got this |  |
| 18 | and Alliance larger than the Office of Technology | 18 | right. |  |
| 19 | Management for the University of California, | 19 | With respect to the new ITA office at the |  |
| 20 | San Francisco? 9:51:49AM | 20 | University of California, San Francisco, it's made | made 9:53:34AM |
| 21 | A Yes. | 21 | up of basically four departments: One is the form | former |
| 22 | MS. KLEIN: Objection; form. | 22 | Office of Technology Management, the second is | $d$ is the |
| 23 | BY MS. DOAN: | 23 | Office of Business Entrepreneurship, the third is | $d$ is an |
| 24 | Q Did it merge with another department? | 24 | alliance management group, and the fourth is an | s an |
| 25 | MS. KLEIN: Objection; form. 9:51:53AM | 25 | industry contracts group; is that right? $\quad 9$ | 9:53:48AM |
|  |  |  |  | Page 37 |



## Veritext National Deposition \& Litigation Services



## Veritext National Deposition \& Litigation Services




## Veritext National Deposition \& Litigation Services



## Veritext National Deposition \& Litigation Services



| 1 | the best person to speak on these Topics 9, 10, 11, 10:15:51AM | 1 | Counsel? 10:17:13AM |
| :---: | :---: | :---: | :---: |
| 2 | 12, and 13 for the University of California, | 2 | MS. DOAN: Sure. Let's go off the record. |
| 3 | San Francisco campus; is that correct? | 3 | THE VIDEOGRAPHER: Going off the record at |
| 4 | A Yes. | 4 | 10:17. |
| 5 | Q All right. 10:16:03AM | 5 | (Recess taken.) 10:17:17AM |
| 6 | But you may not be on behalf of the | 6 | THE VIDEOGRAPHER: On the record at 10:40. |
| 7 | Regents for the Univ- -- whole entire University of | 7 | BY MS. DOAN: |
| 8 | California system; is that what you're telling me? | 8 | Q Dr. Rajdev, do you understand we're |
| 9 | MS. KLEIN: Object to the form of the | 9 | resuming your deposition after a brief break? |
| 10 | question. Counsel, she answered your question. She 10:16:10AM | 10 | A Yes. 10:40:18AM |
| 11 | would like to confer with counsel before she answers | 11 | Q You understand, of course, you're still |
| 12 | the question. | 12 | under oath? |
| 13 | THE WITNESS: I would like to talk to | 13 | A Yes. |
| 14 | counsel. | 14 | Q Okay. |
| 15 | MS. DOAN: Okay. Let me just finish this 10:16:17AM | 15 | And you know you've been designated on 10:40:21A |
| 16 | line of questioning, then you-all can go off and | 16 | behalf of the Regents of the University of |
| 17 | we'll take a break. | 17 | California to speak on certain topics that we have |
| 18 | MS. KLEIN: Actually, let's take a break | 18 | noticed the University here for today, right? |
| 19 | now. She answered your question, so... | 19 | A Yes. |
| 20 | MS. DOAN: I don't believe she answered my 10:16:25AM | 20 | Q Okay. 10:40:31AM |
| 21 | question. | 21 | So you understand when you give an answer, |
| 22 | MS. KLEIN: She did answer your question. | 22 | that you're speaking on behalf of the entire |
| 23 | She answered it both times. | 23 | University of California system? Do you understand |
| 24 | MS. DOAN: I asked her if she was the | 24 | that? |
| 25 | person with the most knowledge on behalf of the 10:16:30 | 25 | A Yes. 10:40:38AM |
|  | Page 62 |  | Page 64 |
| 1 | Regents of the University of California system to $10: 16: 32 \mathrm{AM}$ | 1 | MS. KLEIN: Objection; form. 10:40:39AM |
| 2 |  | 2 | BY MS. DOAN: |
| 3 | MS KLEIN: No, Counsel, that's not what | 3 | Q And you're not speaking on just behalf of |
| 4 |  | 4 | the University of California, San Francisco campus. |
| 5 | MS DOAN: Well, let me ask this question, 10:16:40AM | 5 | Do you understand that? 10:40:43AM |
| 6 | Counsel I'm not -- I'm not engaging with you, | 6 | A Yes. |
| 7 | Counsel | 7 | Q So if at any time you don't know an answer |
| 8 | MS KLEIN: You just did | 8 | on behalf of the entire University of California |
| 9 | BY MS DOAN: | 9 | system, it's fine for you to tell me, "I don't |
| 10 | Q So, Dr. Rajdev, with respect to Topics 9, 10:16:45AM | 10 | know," okay? 10:40:50AM |
| 11 | $10,11,12$, and 13 , are you the best person to speak | 11 | A Okay. |
| 12 | on those topics with respect to the Regents of the | 12 | Q I'd rather you say, "I don't know," and |
| 13 | entire University of California system? | 13 | we'll get another witness, rather than guess at |
| 14 | MS KLEIN: Object to the form | 14 | something and be incorrect, okay? |
| 15 | BY MS DOAN: 10:16:55AM | 15 | MS. KLEIN: Objection to the form of the 10:40:58AM |
| 16 | Q You can answer. | 16 | question. |
| 17 | A I don't know | 17 | BY MS. DOAN: |
| 18 | Q Okay. | 18 | Q Is that all right? |
| 19 | And so I don't have to say a mouthful <br> going forward, if I say "UCSF," will you know I'm 10:17:04AM | 19 | A Yes. |
| 20 |  | 20 | Q And again, if you think that you know the 10:41:02AM |
| 21 | talking about the University of California, | 21 | answer on behalf of the University of California, |
| 22 | San Francisco? Is that okay? | 22 | San Francisco, but you're not sure on behalf of the |
| 23 | A Yes | 23 | entire University of California system, that's okay |
| 24 | Q Okay. | 24 | with me, too. Just let me know for sure, "I can |
| 25 | $\begin{array}{ll}\text { MS KLEIN: Now may we take a break, } & \text { 10:17:11AM } \\ & \text { Page } 63\end{array}$ | 25 | speak for the University of California, San 10:41:13AM |
|  |  |  | Page 65 |


| 1 | Francisco; I'm not sure on behalf of the entire $\quad 10: 41: 13 \mathrm{AM}$ | 1 | O |
| :---: | :---: | :---: | :---: |
| 2 | University of California." | 2 | these topics on behalf of the entire University of |
| 3 | Is that okay? | 3 | California system; is that correct? |
| 4 | MS KLEIN: Objection; form and -- | 4 | A Yes |
| 5 | BY MS DOAN: 10:41:19AM | 5 | Q I'm now handing you what I've marked as 10:43:26AM |
|  | Q Is that okay? | 6 | Exhibit Number 2. It's Adobe Systems' Supplemental |
| 7 | A Yes | 7 | Notice of Deposition to the Regents of University of |
| 8 | MS KLEIN: Objection; form | 8 | California. |
| 9 | THE WITNESS: Yes | 9 | (Defendants' Exhibit 2 marked |
| 10 | BY MS DOAN: 10:41:21AM | 10 | for identification.) 10:43:35AM |
| 11 | Q So if you know the answer on behalf of the | 11 | BY MS DOAN: |
| 12 | UCSF, but you don't know for the entire University | 12 | Q Have you seen this document? |
| 13 | of California system, will you make sure that I know | 13 | A Not exactly this document, but some form |
| 14 | that for the record? | 14 | of it |
| 15 | MS KLEIN: Objection; form 10:41:30AM | 15 | Q Okay. 10:44:15AM |
| 16 | BY MS DOAN: | 16 | I'm assuming that you've seen the topics |
| 17 | Q Is that okay? | 17 | that are attached to this document; is that correct? |
| 18 | A Yes | 18 | A Yes |
| 19 | Q Okay. | 19 | Q And those topics, again, would be attached |
| 20 | Because we only get to speak to you today, 10:41:34AM | 20 | to Exhibit Number 2 as Exhibit A and begin on 10:44:26AM |
| 21 | since you're not coming to trial, and I want to make | 21 | page 3; is that correct? |
| 22 | sure that I don't misunderstand you and the answer | 22 | A Yes |
| 23 | reads for the entire University of California system | 23 | $Q$ Do you have an understanding of what |
| 24 | when you are only speaking for UCSF. | 24 | topics that you have been designated to speak on on |
| 25 | Do you understand where I'm coming from? 10:41:47AM | 25 | behalf of the University of California with respect 10:44:39AM |
|  | Page 66 |  | Page 68 |
| 1 | MS KLEIN: Objection; form 10:41:49AM | 1 | to Exhibit Number 2? 10:44:42AM |
| 2 | THE WITNESS: Yes | 2 | A Yes. |
| 3 | MS DOAN: Okay Thank you | 3 | Q And what are they? |
| 4 | (Discussion held off record) | 4 | A 1 through 5. |
| 5 | THE VIDEOGRAPHER: Off the record at 10:42:09AM | 5 | MS. KLEIN: I'm going to cut in here and 10:44:52AM |
| 6 | 10:42 | 6 | it's subject to our objections. And this is not a |
| 7 | (Recess taken) | 7 | memory test and we have provided you with the topics |
| 8 | THE VIDEOGRAPHER: On the record at 10:42 | 8 | that Ms. Rajdev has been noticed -- |
| 9 | BY MS DOAN: | 9 | MS. DOAN: You can object, Counsel. It's |
| 10 | Q Dr. Rajdev, you understand we're back on 10:42:48AM | 10 | my time on the record and we've got a limited time 10:45:09AM |
| 11 | the record after a brief break? | 11 | today. If you want to object, that's absolutely |
| 12 | A Yes | 12 | fine. |
| 13 | Q You understand, of course, you're still | 13 | MS. KLEIN: That's true, you're -- |
| 14 | under oath? | 14 | BY MS. DOAN: |
| 15 | A Yes 10:42:54AM | 15 | Q Dr. Rajdev, my understanding is that you 10:45:12AM |
| 16 | Q Are there any other topics in Exhibit | 16 | have been designated on Topics 2, 4, and 5 . |
| 17 | Number 1 that you understand that the University of | 17 | Does that sound right? |
| 18 | California has designated to -- for you to speak on | 18 | A I'm going to say yes. I -- |
| 19 | here today? | 19 | Q You don't know? |
| 20 | A Apart from what you mentioned? 10:43:04AM | 20 | A -- don't recall. 10:45:33AM |
| 21 | Q Yes, ma'am. | 21 | Q Is that -- okay. |
| 22 | A No | 22 | Is it fair to say that you have reviewed |
| 23 | Q Other than Topics 1, 2, 3, 4, 5, 9, 10, | 23 | all the topics on Exhibit Number 2? |
| 24 | 11, 12, and 13. | 24 | A Yes. |
| 25 | A I'm not aware of any other 10:43:16AM | 25 | Q Okay. 10:45:38AM |
|  | Page 67 |  | Page 69 |

## Veritext National Deposition \& Litigation Services



## Veritext National Deposition \& Litigation Services

| 1 | With David C. Martin? 10:49:10AM | 1 | all. I'm only asking about your communications with 10:50:34A |
| :---: | :---: | :---: | :---: |
| 2 | A Yes. | 2 | David C. Martin. |
| 3 | Q What was that communication about? | 3 | Are we clear? |
| 4 | A It was during the process when we were | 4 | A Yes |
| 5 | doing the restated agreement. 10:49:17AM | 5 | Q Okay. All right. 10:50:39AM |
| 6 | Q Okay. | 6 | A I just wanted to update him on what we |
| 7 | And that would be the restated license | 7 | were doing and what was going on with the license |
| 8 | agreement between Eolas and the University of | 8 | agreement, which is our usual practice, to make sure |
| 9 | California; is that right? | 9 | the inventors know |
| 10 | A Yes. 10:49:30AM | 10 | Q Okay. 10:50:49AM |
| 11 | Q And during the negotiations for that, you | 11 | A And he -- just wanted to know if he |
| 12 | had a communication with David C. Martin? | 12 | knew -- explain to him what the restated agreement |
| 13 | A Yes. | 13 | was and if he was okay with that |
| 14 | Q You don't remember the substance of that | 14 | Q Okay. |
| 15 | conversation? 10:49:40AM | 15 | And did you send him a copy of the 10:50:58AM |
| 16 | A It was under the advisement of counsel. | 16 | original license agreement? |
| 17 | MS. KLEIN: If there was a lawyer | 17 | A I provided him a summary of it |
| 18 | participating in the call and it was at the | 18 | Q Okay. |
| 19 | direction of counsel, then -- | 19 | And he had requested that, correct? |
| 20 | THE WITNESS: It was at the direction of 10:49:51AM | 20 | A No I contacted him 10:51:05AM |
| 21 | counsel, but there was no counsel present at the | 21 | Q All right. |
| 22 | time. | 22 | You contacted him and he asked you for the |
| 23 | BY MS. DOAN: | 23 | original license agreement or a summary of it before |
| 24 | Q Okay. | 24 | he would give consent to this or acknowledge it; is |
| 25 | And the University of California is 10:49:56AM | 25 | that right? 10:51:16AM |
|  | Page 74 |  | Page 76 |
| 1 | negotiating with Eolas at this time for this 10:49:59AM | 1 | MS KLEIN: Objection; form 10:51:17AM |
| 2 | agreement; is that correct? | 2 | THE WITNESS: Something like that I |
| 3 | A Yes. | 3 | might have written an e-mail summarizing what we |
| 4 | Q You're not on the same side, you're | 4 | were doing |
| 5 | actually negotiating the agreement, right? 10:50:08AM | 5 | BY MS DOAN: 10:51:21AM |
| 6 | A I was negotiating it, yes. | 6 | Q Okay. |
| 7 | Q On behalf of the University of | 7 | And then you actually told him about the |
| 8 | California -- | 8 | original license agreement and what the restated |
| 9 | A Yes. | 9 | agreement said; is that correct? |
| 10 | Q -- right? 10:50:12AM | 10 | A Yes 10:51:28AM |
| 11 | You didn't represent Eolas during that | 11 | $Q$ And then what did he say? |
| 12 | time period, correct? | 12 | A He said he was fine with it |
| 13 | A No. | 13 | Q Did you need David C. Martin's consent to |
| 14 | Q Okay. | 14 | proceed with the second restated license agreement? |
| 15 | Can you tell me about the conversation or 10:50:15AMI | 15 | A I don't think we needed his consent; we 10:51:43AM |
| 16 | the communication you had with David C. Martin? | 16 | just want to make sure that our inventors know what |
| 17 | MS. KLEIN: And I'm going to object to the | 17 | is happening with their technologies |
| 18 | form of this question and allow the witness to | 18 | Q Right. |
| 19 | answer, subject to not waiving any privilege with | 19 | Other than this one communication with |
| 20 | respect to any other conversations. 10:50:24AM | 20 | David C. Martin, have you ever spoken with him or 10:51:53AM |
| 21 | BY MS. DOAN: | 21 | written with him -- written him at any time? |
| 22 | Q Okay. | 22 | A No |
| 23 | Just for the record, I want to make really | 23 | Q Do you know what relationship, if any, |
| 24 | clear I'm not asking about any communication you had | 24 | David C. Martin has with the University of |
| 25 | with a University of California's counsel, okay, at 10:50:31AM | 25 | California at this time? 10:52:06AM |
|  | Page 75 |  | Page 77 |

## Veritext National Deposition \& Litigation Services



## Veritext National Deposition \& Litigation Services




## Veritext National Deposition \& Litigation Services


license the ' $\mathbf{9 0 6}$ patent to Amazon before filing suit $\mathbf{1 1 : 0 6 : 1 2 A M}$ in October 2009?

MS. KLEIN: Objection; form.
THE WITNESS: I do not know.
BY MS. DOAN: 11:06:17AM
Q What efforts did -- did Eolas go to to
license the ' 985 patent to Amazon prior to filing
the lawsuit in October 2009?
MS. KLEIN: Objection --
THE WITNESS: I --
11:06:26AM
MS. KLEIN: -- form.
THE WITNESS: -- do not know. I do not
know.
BY MS. DOAN:
Q And what efforts did Eolas go to to try to 11:06:29AM
license the ' $\mathbf{9 8 5}$ patent to Yahoo prior to filing
suit in 2009?
MS. KLEIN: Objection; form.
THE WITNESS: I do not know.
BY MS. DOAN:
11:06:41AM
Q Did the University of California ever
provide notice to Yahoo that it was -- that the
University of California contended that it was
infringing the '985 or '906 patents prior to filing
suit in October 2009? 11:06:56AM

```
A Not University of California directly, 11:07:00AM
because it's exclusively licensed, so we defer that
to our licensee
    Q Sure.
        So the University of California never 11:07:06AM
reached out to -- to Yahoo any time before
October 2009 to say, "Hey, we think that you may be
practicing this technology," or, "We may own the
patent -- the '906 and '985 patents'; is that fair?
    A It was well known to everyone, but I do 11:07:21AM
not know of any exact communication between the
University of California and Yahoo
    Q Did the University of California ever
reach out to Amazon and provide it notice, prior to
filing the lawsuit in October 2009, that Amazon may 11:07:36AM
be practicing the teachings of the technol--- of
the '906 or '985 patent or may be allegedly
infringing in any way?
    A Again, the technology was well known and I
do not know of any specific communication from the 11:07:50AM
University of California to Amazon
    Q Do you know who was the number one
Internet retailer in the world from 2000 to 2005?
            MS KLEIN: Objection; form Objection;
beyond the scope of the 30(b)(6) 11:08:06AM
Page 95
```

THE WITNESS: I do not.
11:08:06AM
BY MS. DOAN:
Q Do you know of anybody at the University of California that ever reached out to Amazon about the '985 or '98- -- '906 patent in any way prior to $\mathbf{1 1 : 0 8 : 1 7 A M}$ October 2009?

A Not to my knowledge.
Q Do you know of anybody from the University of California that reached out to Yahoo prior to filing suit in 19--- in 2009 about the '906 patent 11:08:32AM or the '985 patent, about anything about those patents?

A Again, it was licensed, so I'm not aware. I do not know of anybody from -- directly from University of California contacting Yahoo. 11:08:46AM

Q Okay.
Do you know if anyone from Eolas reached out to Amazon about any aspect of the '906 or '985 patents prior to filing suit in October 2009?

MS. KLEIN: Objection to the form. 11:09:00AM
THE WITNESS: I do not know.
BY MS. DOAN:
Q Do you know if anyone from Eolas reached out to Yahoo about anything about the '906 or '985 patents or advised them of the patents prior to $11: 09: 10 \mathrm{AM}$ Page 96

```
filing suit in October of 2009? 11:09:13AM
```

MS. KLEIN: Objection to the form of the question.

THE WITNESS: I do not.
BY MS. DOAN: 11:09:16AM
Q Fair to state that the University of
California has never offered to license the
patents-in-suit to anybody -- the -- the '906 and
'985 patents to anyone other than Eolas; is that correct?

11:09:35AM
MS. KLEIN: Objection; form.
THE WITNESS: Once it's licensed to Eolas
exclusively, the University of California cannot
offer it to anybody else.
BY MS. DOAN:
11:09:43AM
Q And that's not my question.
A Okay.
Q Has the University of California ever had
discussions or reached out to anybody else other
than Eolas about licensing the '906 and '985 11:09:51AMI patents?

A Prior to licensing to Eolas?
Q Yes, ma'am.
A There was a lot of marketing done and
there was some preliminary discussions. There was a 11:09:59AM
Page 97

$$
\text { Pages } 94 \text { to } 97
$$

| 1 | lot of interest in the technology. 11:10:02AM | 1 | MS. KLEIN: Objection; form. 11:12:10AM |
| :---: | :---: | :---: | :---: |
| 2 | Q Who else did the University of California | 2 | THE WITNESS: As I understand it, they |
| 3 | have conversations with or have any communications | 3 | never reached to a point where someone was actually |
| 4 | with about licensing the application which became | 4 | starting to negotiate the terms for a license, and |
| 5 | the '906 patent other than Eolas? 11:10:13AM | 5 | then the University decided to move forward with 11:12:19AM |
| 6 | A I've reviewed the files, and the licensing | 6 | Eolas. |
| 7 | associate at that time was managing the case I think | 7 | BY MS. DOAN: |
| 8 | had discussions with Motorola and Farallon, if I | 8 | Q Okay. |
| 9 | remember correctly, and maybe one VC group at that | 9 | MS. KLEIN: I'm very sorry. Ladies, your |
| 10 | time, venture capital group. 11:10:36AM | 10 | discussion is quite -- can you take it outside? 11:12:25AM |
| 11 | Q I'm sorry, you mentioned Motorola, a | 11 | BY MS. DOAN: |
| 12 | venture capital group, and somebody else. | 12 | Q What about with respect to Farallon? |
| 13 | A Farallon. I could be remembering | 13 | A Yes. Sorry. |
| 14 | totally -- | 14 | Q What about with respect to Farallon? Is |
| 15 | Q How do you spell that? 11:10:48AM | 15 | it accurate that the University of California had 11:12:39AM |
| 16 | A I thought it was F-A-R-A-L-O-N [sic]. | 16 | discussions with Farallon about an offer to license |
| 17 | It's probably -- | 17 | the '906 patent? |
| 18 | MS. KLEIN: Couple of extra Ls in there. | 18 | A So again, I don't know if it was an offer |
| 19 | THE WITNESS: Couple of extra Ls, maybe | 19 | to license; it was -- they were interested. They |
| 20 | double L. 11:11:01AM | 20 | might have signed a CDA to get more information $11: 12: 53 \mathrm{AM}$ |
| 21 | BY MS. DOAN: | 21 | about the technology, but I don't think the |
| 22 | Q The University of California reached | 22 | discussions progressed to the point where they were |
| 23 | out -- | 23 | discussing terms for a license. |
| 24 | Is it -- is it accurate that the | 24 | Q Okay. |
| 25 | University of California had discussions with 11:11:06AM | 25 | And none of the negotiations with 11:13:02AM |
|  | Page 98 |  | Page 100 |
| 1 | Motorola about licensing the application which 11:11:08AM | 1 | Motorola, Farallon, or any venture capitalist group, 11:13:07AM |
| 2 | became the '906 patent to Motorola before it | 2 | including Vanguard, came to fruition with respect to |
| 3 | licensed the technology to Eolas? | 3 | University of California and those entities over the |
| 4 | MS KLEIN: Objection; form | 4 | technology in the '906 patent; is that correct? |
| 5 | THE WITNESS: Motorola was interested I 11:11:20AM | 5 | MS KLEIN: Objection; form 11:13:19AM |
| 6 | think there were discussions about -- they were more | 6 | THE WITNESS: That's what I understand, |
| 7 | interested in learning more about the technology I | 7 | yes |
| 8 | don't know if it actually reached at a point where | 8 | BY MS DOAN: |
| 9 | they were discussing terms for a license | 9 | Q Did anyone -- |
| 10 | BY MS DOAN: 11:11:34AM | 10 | Did any entity other than Eolas ever to 11:13:28AM |
| 11 | Q Okay. | 11 | offer the -- ever offer to license the '906 patent |
| 12 | Which venture capitalist group did the | 12 | from the University of California? |
| 13 | University of California have any communications | 13 | A Not that I know of |
| 14 | with about the '906 patent prior to licensing the | 14 | Q Did any other entity other than Eolas |
| 15 | application which became the ' 906 patent to Eolas? 11:11:46AM | 15 | offer to license the '985 patent other than Eolas? 11:13:46AM |
| 16 | A If I recall correctly, the files indicated | 16 | MS KLEIN: Objection; form |
| 17 | it was Vanguard | 17 | BY MS DOAN: |
| 18 | Q Is that V-A-N-G-A-R-D? | 18 | Q Let me restate that. I'm sorry, she's |
| 19 | A G-U-A-R-D | 19 | right. |
| 20 | Q Are there any other venture capitalist 11:12:01AM | 20 | Did any other entity other than the 11:14:01AM |
| 21 | groups other than Vanguard? | 21 | office -- other than -- strike that. |
| 22 | MS KLEIN: Objection; form | 22 | Did any other entity other than Eolas |
| 23 | THE WITNESS: Not that I know of | 23 | offer to license the '985 patent from the University |
| 24 | BY MS DOAN: | 24 | of California? |
| 25 | Q And what happened to those communications? 11:12:07AM | 25 | MS KLEIN: Objection; form 11:14:11AM |
|  | Page 99 |  | Page 101 |



|  | its licensee, who believes that Yahoo is infringing 11:17:02AM | 1 | Q Does the University of California believe 11:18:34AM |
| :---: | :---: | :---: | :---: |
| 2 | the claims. | 2 | that Yahoo is practicing the technologies described |
| 3 | Q That's not my question. | 3 | in the '98--- '985 and '906 patents? |
| 4 | A That's my answer. | 4 | MS. KLEIN: Objections -- same objections. |
| 5 | Q Okay. 11:17:11AM | 5 | THE WITNESS: I do not know. 11:18:45AM |
| 6 | So with respect to my question, does the | 6 | BY MS. DOAN: |
| 7 | University of California believe that Yahoo is | 7 | Q Does the University of California believe |
| 8 | infringing the claims of the '905--'906 or '985 | 8 | that Amazon is practicing the technologies described |
| 9 | patents in this lawsuit? | 9 | in the '906 and '985 patents? |
| 10 | MS. KLEIN: Objection; form. 11:17:22AM | 10 | MS. KLEIN: Objection to the form of the 11:18:53AM |
| 11 | THE WITNESS: It's not up to me to do the | 11 | question, beyond the scope of the $30(\mathrm{~b})(6)$. |
| 12 | analysis. | 12 | THE WITNESS: I do not know. |
| 13 | BY MS. DOAN: | 13 | BY MS. DOAN: |
| 14 | Q I understand that, but you're a Plaintiff | 14 | Q Does the University of California believe |
| 15 | in this lawsuit suing my client, Yahoo, for multiple 11:17:29AM | 15 | that Google or YouTube are practicing the 11:18:58AM |
| 16 | hundreds of millions of dollars. | 16 | technologies that are described in the '985 and '906 |
| 17 | Do you understand that? | 17 | patents? |
| 18 | A Yes. | 18 | MS. KLEIN: Same objections. |
| 19 | $Q$ And you understand that you're not going | 19 | THE WITNESS: I do not know. I have not |
| 20 | to be in court, so we're going to play this 11:17:36AM | 20 | done the complete analysis. 11:19:09AM |
| 21 | testimony in front of the jury. | 21 | BY MS. DOAN: |
| 22 | MS. KLEIN: Objection; form. | 22 | Q And does the University of California |
| 23 | BY MS. DOAN: | 23 | believe that Adobe is practicing the technologies |
| 24 | $Q$ Do you understand that? Do you understand | 24 | described in the '906 or '985 patents? |
| 25 | that, ma'am? 11:17:39AM | 25 | MS. KLEIN: Same objections. 11:19:18AM |
|  | Page 106 |  | Page 108 |
| 1 | A Yes 11:17:41AM | 1 | THE WITNESS: I do not know 11:19:20AM |
| 2 | Q Does the University of California believe | 2 | Can I add something? |
| 3 | that my client, Yahoo, is infringing the claims of | 3 | BY MS DOAN: |
| 4 | the '906 and '985 patents? | 4 | Q Sure. I'm going to let you answer. Let |
| 5 | A If Yahoo is practicing the technology 11:17:57AM | 5 | me ask one other question to follow up on this line 11:19:43AM |
| 6 | that's covered by the '906 and '985 patents, then, | 6 | of questioning if that's okay. |
| 7 | yes, they are infringing the technology -- they are | 7 | Did the Uni- -- |
| 8 | infringing the '906 and '985 patents | 8 | Do you know how much money the University |
| 9 | Q That's fair. My question wasn't very | 9 | of California is seeking against Google in this |
| 10 | good. Okay. And if you don't know the answer to my 11:18:13AM | 10 | case? 11:19:57AM |
| 11 | question, it's totally fine. | 11 | MS KLEIN: Objection; form, beyond the |
| 12 | A Okay | 12 | scope of the 30(b)(6) |
| 13 | Q Does the University of California believe | 13 | THE WITNESS: I don't know the exact |
| 14 | that Yahoo is practicing any of the technologies | 14 | amount |
| 15 | that are covered by the '906 and '985 patents? 11:18:19AM | 15 | BY MS DOAN: 11:20:03AM |
| 16 | MS KLEIN: Objection to the form of the | 16 | Q Can you ballpark it for me? |
| 17 | question Objection; outside the scope of the | 17 | A I don't know the exact amount |
| 18 | 30(b)(6) | 18 | Q Okay. |
| 19 | BY MS DOAN: | 19 | Do you know if it's more than a million |
| 20 | Q You can answer. 11:18:26AM | 20 | dollars? 11:20:12AM |
| 21 | A Again, to the extent that Yahoo is | 21 | A Yes |
| 22 | practicing those technologies, yes | 22 | Q Do you know if it's more than \$10 million? |
| 23 | Q And I -- my question is a little bit | 23 | MS KLEIN: Objection; form |
| 24 | different this time. | 24 | THE WITNESS: Most likely |
| 25 | A Yes 11:18:34AM | 25 |  |
|  | Page 107 |  | Page 109 |



## Veritext National Deposition \& Litigation Services

| 1 | exact number. 11:23:14AM | 1 | MS KLEIN: You cut the witness off 11:24:45AM |
| :---: | :---: | :---: | :---: |
| 2 | BY MS. DOAN: | 2 | Please let her finish her response |
| 3 | Q Do you know how much money my client, | 3 | MS DOAN: This is a little bit different |
| 4 | Amazon, has given to the University of California | 4 | question |
| 5 | system in the last five years? 11:23:21AM | 5 | BY MS DOAN: 11:24:49AM |
| 6 | MS. KLEIN: Objection; form. | 6 | Q With respect to notice, okay, if an entity |
| 7 | THE WITNESS: Do not know the exact | 7 | such as Yahoo is giving multiple millions of dollars |
| 8 | number. | 8 | to the University of California, do you think it's |
| 9 | BY MS. DOAN: | 9 | fair for the University of California to turn around |
| 10 | $Q$ Do you know whether the University of 11:23:29AM | 10 | and sue Yahoo on a separate subject matter without 11:25:01AM |
| 11 | California is suing my clients, Amazon and Yahoo, | 11 | trying to work it out or tell Yahoo first that it's |
| 12 | for more money than they have given to the | 12 | su- -- going to sue them? |
| 13 | University in the last five years? Do you know | 13 | MS KLEIN: Objection; form and beyond the |
| 14 | where that spread is? | 14 | scope of the 30(b)(6) |
| 15 | MS. KLEIN: Objection to form. Object; 11:23:44AM | 15 | THE WITNESS: But trying to do that can 11:25:13AM |
| 16 | beyond the $30(\mathrm{~b})(6)$. | 16 | have implications that could be financially |
| 17 | THE WITNESS: No, and I don't think that | 17 | different for the University |
| 18 | matters because those are two completely different | 18 | BY MS DOAN: |
| 19 | issues. | 19 | Q Tell me what those financial implications |
| 20 | BY MS. DOAN: 11:23:51AM | 20 | could be. 11:25:25AM |
| 21 | Q Absolutely. | 21 | THE WITNESS: Can I answer this as a -- |
| 22 | So when we have a donor to the University | 22 | MS KLEIN: To the extent that your |
| 23 | of California that's giving, say, upwards of | 23 | understanding comes from your practices as a |
| 24 | \$50 million, is that somebody that you think the | 24 | licensing officer, yes To the extent your |
| 25 | University of California should sue without 11:23:59AM | 25 | knowledge comes from conversations you had with 11:25:36AMI |
|  | Page 114 |  | Page 116 |
| 1 | providing notice to? 11:24:02AM | 1 | counsel, I'll instruct you not to answer 11:25:38AM |
| 2 | MS KLEIN: Objection; form Objection; | 2 | THE WITNESS: So I will just say that if |
| 3 | beyond the scope of the $30(\mathrm{~b})(6)$ | 3 | there is a possibility that the Plaintiff -- using |
| 4 | THE WITNESS: But the donor is -- I mean, | 4 | the term right -- Defendant could file a declaratory |
| 5 | why is that different from any other company $\quad 11: 24: 10 \mathrm{AM}$ | 5 | judgment against the University and Eolas, and then 11:25:52AM |
| 6 | that's -- yeah | 6 | they would have to have a lawsuit where they don't |
| 7 | BY MS DOAN: | 7 | want to have So that could be a consequence of |
| 8 | Q Okay. | 8 | providing notices |
| 9 | So do you think it's fair for the | 9 | BY MS DOAN: |
| 10 | University of California to sue Yahoo for more money 11:24:17AM | 10 | Q Do you know whether Yahoo has ever filed a 11:26:03AM |
| 11 | or for more than $\mathbf{\$ 5 0}$ million if the Univ- -- if | 11 | declaratory judgment action anywhere in the United |
| 12 | Yahoo has provided multiple millions of dollars to | 12 | States against any inventor or any patent holder |
| 13 | the University of California over the last five | 13 | that's approached them about taking a license, ever? |
| 14 | years? | 14 | A I have no idea, but I do not know that |
| 15 | A Again -- 11:24:31AM | 15 | they would never, ever do that if they have never $\quad 11: 26: 21 \mathrm{AM}$ |
| 16 | MS KLEIN: Objection; form and beyond the | 16 | done that |
| 17 | scope of the 30(b)(6) | 17 | Q Does the University of California have a |
| 18 | BY MS DOAN: | 18 | practice of licensing its technologies, other than |
| 19 | Q You can answer. | 19 | the patents-in-suit? |
| 20 | A Again, I think you're mixing two different 11:24:35AM | 20 | A Repeat the question, please $\quad 11: 26: 38 \mathrm{AM}$ |
| 21 | issues: One is donation and one is respecting the | 21 | Q Sure. |
| 22 | intellectual property rights So those are two | 22 | Does the University of California have a |
| 23 | completely different issues So -- | 23 | practice of licensing its technologies, separate and |
| 24 | Q All right. Let me ask you this slightly | 24 | apart from the two patents-in-suit? So take the |
| 25 | different. 11:24:45AM | 25 | '906 and '985 patents and put them aside, okay? 11:26:47AMI |
|  | Page 115 |  | Page 117 |

## Veritext National Deposition \& Litigation Services




## Veritext National Deposition \& Litigation Services




## Veritext National Deposition \& Litigation Services



## Veritext National Deposition \& Litigation Services



## Veritext National Deposition \& Litigation Services



## Veritext National Deposition \& Litigation Services




## Veritext National Deposition \& Litigation Services



## Veritext National Deposition \& Litigation Services




## Veritext National Deposition \& Litigation Services



## Veritext National Deposition \& Litigation Services



## Veritext National Deposition \& Litigation Services

| 1 | of Knowledge and Technology at the University of 1:16:32PM | 1 | to anybody at all, either within the University or 1:19:21PM |  |
| :---: | :---: | :---: | :---: | :---: |
| 2 | California, San Francisco campus while he was having | 2 | outside the University, about Topic Number 1 to |  |
| 3 | those communications with Pei Wei? | 3 | learn the information to be able to testify on |  |
| 4 | MS KLEIN: Objection; form | 4 | behalf of the University of California? |  |
| 5 | THE WITNESS: I do not know 1:16:42PM | 5 | MS. KLEIN: Objection to the form. 1:19 | :32PM |
| 6 | BY MS DOAN: | 6 | THE WITNESS: No. |  |
| 7 | Q Does the University have a policy that if | 7 | BY MS. DOAN: |  |
| 8 | a professor or an employee is going to seek a patent | 8 | Q When you say the depositions in the |  |
| 9 | to the University of California and it knows that a | 9 | Microsoft case, what are they? |  |
| 10 | student has claimed to invent the same thing first, $\quad 1: 16: 58 P M$ | 10 | A They were for the previous two licensing 1: | 19:41PM |
| 11 | does the University of California have a policy that | 11 | associate and associate director who had managed the |  |
| 12 | that should be reported to the University? | 12 | case prior to it was transferred to me. |  |
| 13 | MS KLEIN: Objection; form | 13 | Q Okay. |  |
| 14 | THE WITNESS: There is no policy, but you | 14 | So the licensing individuals at University |  |
| 15 | would expect them to report it 1:17:12PM | 15 | of California in the Microsoft case, that's what you | 1:19:53P/M |
| 16 | BY MS DOAN: | 16 | reviewed? |  |
| 17 | Q Okay. | 17 | A The licensing individuals who were |  |
| 18 | And if a director of one of the units at | 18 | managing the Eolas case at the University before it |  |
| 19 | the University indeed has this knowledge, that | 19 | was transferred to our office. |  |
| 20 | should be reported to the University. 1:17:23PM | 20 | Q Okay. 1:20:05PM |  |
| 21 | Would you agree with that? | 21 | A It was being managed by the central |  |
| 22 | MS KLEIN: Objection; form | 22 | office, the office -- University of California had a |  |
| 23 | THE WITNESS: It should be reported | 23 | Central Office of Technology Transfer, which used to |  |
| 24 | BY MS DOAN: | 24 | manage all of UC technologies. And then slowly, |  |
| 25 | Q The University would -- would require it | 25 | each campus evolved to have its own Technology | 1:20:16PM |
|  | Page 174 | Page 176 |  |  |
| 1 | to be reported, would they not? 1:17:31PM <br> A It should be reported to the University. <br> MS. KLEIN: Objection; form. | Transfer office. 1:20:20PM |  |  |
| 2 |  | 2 | Q And prior to this file being transferred |  |
| 3 |  | 3 | to your office in 2008, it was located at the UC |  |
| 4 | BY MS. DOAN: | 4 | Central Office of Technology Transfer; is that |  |
| 5 | Q What documents is the University aware of 1:18:06PM | 5 | right? 1:20:29PM |  |
| 6 | that Pei Wei provided to Dr. Doyle prior to the | 6 | A Yes. |  |
| 7 | University of California applying for the '906 | 7 | Q And you reviewed the two depositions of |  |
| 8 | patent? | 8 | other licensing agents that worked at the Central |  |
| 9 | MS. KLEIN: Objection; form. | 9 | Office of Technology Transfer to prepare for today |  |
| 10 | THE WITNESS: Prior to the University $\quad 1: 18: 23 \mathrm{PM}$ | 10 | with respect to Topic Number 1; is that right? | 1:20:40PM |
| 11 | applying? | 11 | A Yes, and -- |  |
| 12 | BY MS. DOAN: | 12 | MS. KLEIN: Objection; form. |  |
| 13 | Q Yes, ma'am. | 13 | THE WITNESS: -- Alan Bennett. |  |
| 14 | A I do not know. | 14 | BY MS. DOAN: |  |
| 15 | Q On Topic 1 and 2 of Exhibit Number 1 -- 1:18:37PM | 15 | Q And Alan Bennett. 1:20:45 | PM |
| 16 | On Topic Number 1 -- | 16 | Anybody else? |  |
| 17 | A Yes. | 17 | A That's it. |  |
| 18 | Q -- just Number 1, Topic Number 1, Exhibit | 18 | Q What case files did you review to prepare |  |
| 19 | Number 1, what documents did you review in order to | 19 | yourself for Topic Number 1? |  |
| 20 | be able to testify on behalf of the University of $1: 18: 58 \mathrm{PM}$ | 20 | A So I had some important -- the relevant 1:20:5 | 20:56PM |
| 21 | California here today? | 21 | documents that were prepared for the files, so I |  |
| 22 | A I reviewed the depositions that were done | 22 | looked at those. |  |
| 23 | in Microsoft trial, I reviewed the case files, and I | 23 | In the relevant documents, there was some |  |
| 24 | reviewed the license agreements. | 24 | information about marketing of the case and there |  |
| 25 | Q Other than your counsel, have you talked 1:19:19PM | 25 | was some information about the prior licensing | 1:21:07PM |
|  | Page 175 |  | Pag | ge 177 |




## Veritext National Deposition \& Litigation Services




## Veritext National Deposition \& Litigation Services



## Veritext National Deposition \& Litigation Services



## Veritext National Deposition \& Litigation Services



## Veritext National Deposition \& Litigation Services



## Veritext National Deposition \& Litigation Services



## Veritext National Deposition \& Litigation Services



| 1 | question, beyond the scope of the $30(\mathrm{~b})(6) . \quad 1: 56: 30 \mathrm{PM}$ | 1 | between the Regents and Eolas. 2:09:16PM |
| :---: | :---: | :---: | :---: |
| 2 | THE WITNESS: I do not know the exact | 2 | Q And what's the date of the agreement? |
| 3 | date. | 3 | A What is the date? It's 1 August 1995. <br> Q And if you'll look at pages -- |
| 4 | BY MS. DOAN: | 4 |  |
| 5 | Q Who made the decision at the University of 1:56:34PM | 5 | This document, Exhibit 3, is Bates stamped 2:09:31PM |
| 6 | California to sue Yahoo? | 6 | EOLASTX-, and there's a bunch of zeros and -185746 |
| 7 | A I do not know. I know that it has to be | 7 | through -185791; is that correct? |
| 8 | approved by the Regents, but I do not know who | 8 | A Yes. |
| 9 | exactly made the decision. | 9 | Q And if you'll look at page -185787. Do |
| 10 | Q And is Mark Yudof one of the standing 1:56:47PM | 10 | you have it open to that page? 2:10:12PM |
| 11 | Regents on behalf of the University of California? | 11 | A I have. |
| 12 | A Would he be a Regent? | 12 | Q And do you see where it looks -- appears |
| 13 | Q Isn't the president of the University one | 13 | to be signed by Michael Doyle on behalf of Eolas |
| 14 | of the standing Regents? | 14 | Technologies and by Terence Feuerborn on behalf of |
| 15 | A Yes, I would presume. 1:56:56PM | 15 | the Regents of the University of California? $\quad \mathbf{2 : 1 0 : 2 2 P M}$ |
| 16 | Q Did Mark Yudof also -- was he part of the | 16 | A Yes. |
| 17 | decision to sue Amazon in the Eolas litigation? | 17 | Q And they say -- |
| 18 | MS. KLEIN: Objection to form. | 18 | Both signatures are dated August of 1995. |
| 19 | THE WITNESS: Again, I do not know. | 19 | Do you see that? |
| 20 | BY MS. DOAN: 1:57:07PM | 20 | A Yes. 2:10:29PM |
| 21 | Q And was Mark Yudof also -- as the | 21 | Q And on the next page starts the first |
| 22 | president of the University of California, also on | 22 | amendment to the exclusive license agreement between |
| 23 | the decision making to sue Google, YouTube, and | 23 | the Regents of the University of California and |
| 24 | Adobe? | 24 | Eolas. |
| 25 | MS. KLEIN: Objection; form. 1:57:15PM | 25 | Do you see that? 2:10:3 |
|  | Page 218 |  |  |
| 1 | THE WITNESS: I do not know 1:57:15PM | 1 | A Yes. 2:10:38PM |
| 2 | MS KLEIN: When you get to a good | 2 | Q And that document bears Bates Number -- I |
| 3 | stopping point, I'd like a five-minute break | 3 | believe it's -185788 through -185791. |
| 4 | MS DOAN: Sure This is a good stop- -- | 4 | Do you see that? |
| 5 | a good place to stop Let's stop right now 1:57:32PM | 5 | A Yes. $2: 10: 47 \mathrm{PM}$ |
| 6 | THE VIDEOGRAPHER: We're going off the | 6 | Q And if you'll look at the last page of the |
| 7 | record at 1:57 | 7 | document, $\mathbf{- 1 8 5 7 9 1}$, do you see again it appears to be |
| 8 | (Defendants' Exhibit 3 marked | 8 | signed on behalf of Eolas Technologies and the |
| 9 | for identification ) | 9 | Regents of the University of California? |
| 10 | THE VIDEOGRAPHER: We're on the record at 2:08:38PM | 10 | A Yes. 2:11:00PM |
| 11 | 2:08 | 11 | Q With Dr. Doyle signing it in June of 1997 |
| 12 | BY MS DOAN: | 12 | and the Regents signing it in -- July 1st, 1997. |
| 13 | Q Dr. Rajdev, you understand we're resuming | 13 | Do you see that? |
| 14 | your deposition after a brief break? | 14 | A Yes. |
| 15 | A Yes 2:08:53PM | 15 | Q If you'll turn to paragraph 2.4 of the $2: 11: 14 \mathrm{PM}$ |
| 16 | Q And you understand, of course, you're | 16 | original document. I believe it's EOLASTX-185755. |
| 17 | still under oath? | 17 | MS. KLEIN: -1875-- |
| 18 | A Yes | 18 | BY MS. DOAN |
| 19 | Q Before the break, I gave you what we've | 19 | Q --5. |
| 20 | marked as Exhibit Number 3. 2:09:08PM | 20 | A Yes. 2:11:29PM |
| 21 | A Yes | 21 | Q Are you with me? |
| 22 | Q Do you recognize this document? | 22 | A I have it open. |
| 23 | A Yes | 23 | Q Paragraph 2.4, do you see that? |
| 24 | Q What is it? | 24 | A Yes. |
| 25 | A It's the original license agreement $\quad 2: 09: 14 \mathrm{PM}$ | 25 | Q Do you see where it says: $\begin{gathered}\text { Page } 221\end{gathered}$ |
| Page 219 |  |  |  |


| 1 | "Nothing in this agreement $\quad$ 2:11:38PM | 1 | Q Actually, it appears there's two documents 2:14:03PM |
| :---: | :---: | :---: | :---: |
| 2 | will be construed as," and 2.4.1 | 2 | attached here, through E 001721. |
| 3 | reads, "a warranty or | 3 | Do you see that? |
| 4 | representation by the Regents as to | 4 | A Yes It goes much beyond that |
| 5 | the validity, enforceability, or 2:11:47PM | 5 | Q It does. I'm sorry, I'm trying to make 2:14:15PM |
| 6 | scope of any patent rights or | 6 | sure we make this right for the record for which |
| 7 | copyrights." | 7 | document is what. |
| 8 | A Yes. | 8 | All right. Exhibit Number 5 contains |
| 9 | Q Do you see that? | 9 | several documents, okay, because there are |
| 10 | A Yes. 2:11:57PM | 10 | amendments to the main document. 2:14:23PM |
| 11 | Q You can put the document aside, please, | 11 | A Yes |
| 12 | ma'am. | 12 | Q All right. |
| 13 | I'm handing you what I've now marked as | 13 | So the first one I want to talk about is |
| 14 | Exhibit Number 4. | 14 | the exclusive license agreement between the Regents |
| 15 | (Defendants' Exhibit 4 marked 2:12:12PM | 15 | of University of California and Eolas Technologies, 2:14:31PM |
| 16 | for identification.) | 16 | which is Bates stamped E 001676 through E 001717. |
| 17 | BY MS. DOAN: | 17 | A Yes |
| 18 | Q Have you seen Exhibit Number 4? | 18 | Q And again, it appears to be signed by |
| 19 | A Yes. | 19 | Michael Doyle and Terence Feuerborn on behalf of |
| 20 | Q What is this document? 2:12:29PM | 20 | Eolas and the Regents of the University, $\quad \mathbf{2 : 1 4 : 5 3 P M}$ |
| 21 | A It's an amendment to the license | 21 | respectively, in August of 1995. |
| 22 | agreement. | 22 | Do you see that? |
| 23 | Q What's the date of this doc- -- this | 23 | A Yes, I do |
| 24 | document, Exhibit 4? | 24 | Q And the next document is -- which follows |
| 25 | A 18th August $1998 . \quad$ 2:12:36PM | 25 | it is E 001718 through E 001721. 2:15:04PM |
|  | Page 222 |  | Page 224 |
| 1 | Q And do you see this document is Bates 2:12:38PM | 1 | Do you see that? 2:15:12PM |
| 2 | numbered E 3621 through E 3630? | 2 | A Yes |
| 3 | A Yes | 3 | Q And it appears to be signed by Michael |
| 4 | Q And page E 3630 appears to be signed on | 4 | Doyle and Candace Voelker in June and July 1997, |
| 5 | behalf of Eolas Technologies and the Regents of the $\mathbf{2 : 1 2 : 5 1 P M}$ | 5 | respectively. $\quad \mathbf{2 : 1 5 : 2 0 P M}$ |
| 6 | University of California again in August 1998? | 6 | Do you see that? |
| 7 | A Yes | 7 | A Yes |
| 8 | Q Have you read Exhibit Number 3? | 8 | Q And the next document, which is also part |
| 9 | A Exhibit Number 3 is the license agreement? | 9 | of Exhibit Number 5, is Bates stamped DM 000773 |
| 10 | Q The original license agreement, yes, 2:13:18PM | 10 | through DM 00782 [sic]. 2:15:36PM |
| 11 | ma'am. | 11 | Do you see that? |
| 12 | A Yes I had to go through it to do the | 12 | A Yes |
| 13 | restated agreement Yes, I have looked at it | 13 | Q This document appears to be signed and |
| 14 | Q Did you read the entire agreement? | 14 | dated by Michael Doyle on -- August 1998 on behalf |
| 15 | A I did 2:13:26PM | 15 | of Eolas Technologies and Terence Feuerborn in $\mathbf{2 : 1 5 : 4 8 P M}$ |
| 16 | Q Have you read Exhibit Number 4? | 16 | August 1998 on behalf of the Regents of the |
| 17 | A I don't remember | 17 | University of California; is -- |
| 18 | Q Thank you. | 18 | A Yes |
| 19 | I'm handing you what I've marked as | 19 | Q -- that right? |
| 20 | Exhibit Number 5. 2:13:40PM | 20 | A Yes 2:15:56PM |
| 21 | (Defendants' Exhibit 5 marked | 21 | Q And the next document is another agreement |
| 22 | for identification.) | 22 | between the Regents and Eolas, still on Exhibit |
| 23 | BY MS DOAN: | 23 | Number 5, and it is Bates stamped RUC 001336 through |
| 24 | Q It's a document Bates stamped E 001676. | 24 | RUC 001338. |
| 25 | A Yes 2:13:53PM | 25 | Do you see that? 2:16:19PM |
|  | Page 223 |  | Page 225 |

## Veritext National Deposition \& Litigation Services




## Veritext National Deposition \& Litigation Services





## Veritext National Deposition \& Litigation Services



$$
\text { Pages } 246 \text { to } 249
$$

## Veritext National Deposition \& Litigation Services

| 1 | Q And we're going to mark it as Exhibit 2:52:41PM | 1 | Q And that's what you were talking about 2:54:23PM |
| :---: | :---: | :---: | :---: |
| 2 | Number 11 to your deposition and we'll get the Bates | 2 | earlier, the "Hypermedia Program Objects" was the |
| 3 | stamp numbers later. | 3 | technology description? |
| 4 | Is that cool? | 4 | A Yes. |
| 5 | A Yes. 2:52:47PM | 5 | Q The invention category would be "Internet $\quad \mathbf{2 : 5 4 : 2 9 P M}$ |
| 6 | Q All right. | 6 | Browser Technology"? |
| 7 | What is this document? | 7 | A Yes. |
| 8 | A It lists the UC inventions grossing more | 8 | Q And the campus is "SF." Is that the UCSF |
| 9 | than 5 million in income over their lifetime. | 9 | campus we've been talking about? |
| 10 | Q And are the '906 and '985 inventions -- or 2:52:56PM | 10 | A That's right. 2:54:40PM |
| 11 | patents on this Exhibit Number 11? | 11 | Q And it has a year of disclosure of 1994. |
| 12 | MS. KLEIN: Objection; form. | 12 | Do you see that? |
| 13 | THE WITNESS: Is that the Number 12? I | 13 | A Yes. |
| 14 | think it's Number 12. | 14 | Q And the year of the first license of 1996. |
| 15 | BY MS. DOAN: 2:53:20PM | 15 | Do you see that? 2:54:51PM |
| 16 | Q Okay. | 16 | A Yes. |
| 17 | Have you reviewed this document before | 17 | Q And the year of disclosure for the '90--- |
| 18 | today? | 18 | what became the '906 patent, was it indeed 1994? |
| 19 | A I've looked at it, yes, previously. | 19 | MS. KLEIN: Object to the form of the |
| 20 | Q Are you prepared to testify on the -- 2:53:32PM | 20 | question. 2:55:03PM |
| 21 | behalf of this document on behalf of the University? | 21 | THE WITNESS: The year of technology |
| 22 | MS. KLEIN: Objection; form of the | 22 | disclosure? Yes. |
| 23 | question, beyond the scope of the 30 (b)(6). | 23 | BY MS. DOAN: |
| 24 | THE WITNESS: Depends on what your | 24 | Q Okay. |
| 25 | question is. $2: 53: 43 \mathrm{PM}$ | 25 | And the year of the first license, was 2:55:06PM |
|  | Page 250 |  | Page 252 |
| 1 | BY MS. DOAN: 2:53:43PM | 1 | that indeed 1996? 2:55:08PM |
| 2 | Q Sure. | 2 | MS. KLEIN: Object to the form of the |
| 3 | So you understand that, of course, you're | 3 | question. |
| 4 | identified on Supplemental Topic Number 2: | 4 | THE WITNESS: I would have to look at the |
| 5 | "The amount of money the $\mathbf{2 : 5 3 : 4 7 P M}$ | 5 | date. Says 1995, so I don't know. 2:55:16PM |
| 6 | Regents received from Eolas as a | 6 | BY MS. DOAN: |
| 7 | result of the license agreement." | 7 | Q What month does it have in 1995? |
| 8 | Do you see that? | 8 | A August. |
| 9 | A Yes. | 9 | Q Okay. |
| 10 | Q Okay. 2:53:53PM | 10 | So that might need to be -- $\mathbf{2 : 5 5 : 2 9 P M}$ |
| 11 | And you're prepared to testify about that | 11 | A So that would be fiscal year 1996, yes. |
| 12 | subject here today, correct? | 12 | Q Okay. |
| 13 | A Yes. | 13 | And that's why it has a 1996 date? |
| 14 | MS. KLEIN: Objection to the form of the | 14 | A I think so, yes. |
| 15 | question, mischaracterizes the notice. 2:53:59PM | 15 | Q The total revenue is $\mathbf{\$ 3 2 , 2 7 9 , 1 9 3}$. $\mathbf{2 : 5 5 : 3 8 P M}$ |
| 16 | BY MS. DOAN: | 16 | Do you see that? |
| 17 | $Q$ And what have you done to prepare yourself | 17 | A Yes. |
| 18 | to testify about Supplemental Topic Number 2? | 18 | Q Is that amount accurate of the amount of |
| 19 | A About the amount of money received from | 19 | revenue that the University of California, |
| 20 | Eolas as a result of license agreement, I looked at $2: 54: 10 \mathrm{PM}$ | 20 | San Francisco has received with respect to UC's 2:55:50PM |
| 21 | our financial records. | 21 | invention -- |
| 22 | Q Okay. | 22 | MS. KLEIN: Object -- |
| 23 | So if you'll look at -- looks like line 12 | 23 | BY MS. DOAN: |
| 24 | of Exhibit Number 11. | 24 | Q -- with respect to the Eolas invention? |
| 25 | A Yes. 2:54:23PM | 25 | MS. KLEIN: Object to the form of the 2:55:56PM |
|  | Page 251 |  | Page 253 |

## Veritext National Deposition \& Litigation Services



## Veritext National Deposition \& Litigation Services

| 1 | Anything else that you see? 2:58:54PM | 1 | THE WITNESS: It can be used to -- 3:00:38PM |
| :---: | :---: | :---: | :---: |
| 2 | A There is human health promotion, nicotine | 2 | BY MS. DOAN: |
| 3 | patch. | 3 | Q Are they limited in any way to the medical |
| 4 | Q And that would be in the health-related | 4 | field? |
| 5 | field again, correct? 2:59:03PM | 5 | MS. KLEIN: Excuse me. Let the witness 3:00:44PM |
| 6 | A There is medical software, which is speech | 6 | please finish her answer. |
| 7 | recognition. | 7 | BY MS. DOAN: |
| 8 | Q And that would be, again, in the medical | 8 | Q You can answer. |
| 9 | or health field, correct? | 9 | MS. KLEIN: Go ahead and finish your |
| 10 | MS. KLEIN: Objection; form. 2:59:11PM | 10 | answer. $3: 00: 47 \mathrm{PM}$ |
| 11 | THE WITNESS: There is plant variety and | 11 | THE WITNESS: It depends on what you call |
| 12 | there are different new plant varieties. That's not | 12 | medical field. If you call medical education |
| 13 | in health field. | 13 | medical field, then it could be linked to medical |
| 14 | BY MS. DOAN: | 14 | education. For example, AnatLab is a product that's |
| 15 | Q Okay. 2:59:17PM | 15 | made for medical education. $3: 00: 57 \mathrm{PM}$ |
| 16 | A Then there is agricultural chemical | 16 | BY MS. DOAN: |
| 17 | variety. So there are many different types of | 17 | Q And we've covered the AnatLab product by |
| 18 | inventions. | 18 | questions earlier, correct? |
| 19 | Q Okay. | 19 | A Yes, we have. |
| 20 | Is it fair to state that the Internet $\mathbf{2 : 5 9 : 2 5 P M}$ | 20 | Q And the AnatLab product has never been 3:01:03PM |
| 21 | browser technology, which is what's described for | 21 | released; is that correct? |
| 22 | the '906 patent as Category Number 12, that is the | 22 | MS. KLEIN: Objection to the form of the |
| 23 | only category that deals with anything dealing with | 23 | question. |
| 24 | the Internet? Is that correct? | 24 | THE WITNESS: So far, no. |
| 25 | MS. KLEIN: Objection to the form, outside 2:59:42PM | 25 |  |
|  | Page 258 |  | Page 260 |
| 1 | the scope of the $30(\mathrm{~b})(6) . \quad 2: 59: 43 \mathrm{PM}$ | 1 | BY MS. DOAN: 3:01:07PM |
| 2 | THE WITNESS: Without looking at all the | 2 | $Q$ And do you know how long that the -- Eolas |
| 3 | cases -- | 3 | has supposedly been working on the AnatLab product? |
| 4 | BY MS. DOAN: | 4 | MS. KLEIN: Objection to the form of the |
| 5 | Q On this page alone, Exhibit Number 11. $\mathbf{2 : 5 9 : 4 8 P M}$ | 5 | question. 3:01:14PM |
| 6 | A It appears to be, but without looking at | 6 | THE WITNESS: Not exactly. For a few |
| 7 | all the details, I don't know if any of these -- | 7 | years. |
| 8 | sometimes medical devices are associated with some | 8 | BY MS. DOAN: |
| 9 | sort of software technology or -- so unless I've | 9 | Q So let's talk about the '906 and '985 |
| 10 | reviewed all of them, I wouldn't know. 3:00:00PM | 10 | patents. 3:01:20PM |
| 11 | Q Okay. | 11 | Are any of the claims of those patents |
| 12 | But it appears to be that Line Number 12 | 12 | limited in any way to the medical field? |
| 13 | is the only one described to be "Internet Browser | 13 | MS. KLEIN: Objection; form. |
| 14 | Technology"; is that correct? | 14 | THE WITNESS: I don't believe so. |
| 15 | MS. KLEIN: Objection to the form of the 3:00:11PM | 15 | BY MS. DOAN: 3:01:29PM |
| 16 | question. | 16 | Q Are any of those claims in any way limited |
| 17 | THE WITNESS: It appears to be. | 17 | in any way to the plant variety field or farming |
| 18 | BY MS. DOAN: | 18 | field or anything like that? |
| 19 | Q With respect to the University of | 19 | A I would have to look at the claims, but I |
| 20 | California's understanding of the '906 and '985 3:00:23PM | 20 | don't believe so. 3:01:39PM |
| 21 | patents, do either one of those patents, the claims | 21 | $Q$ And you haven't read the claims before |
| 22 | of the patents, cover anything to do with the | 22 | today; is that fair? |
| 23 | medical field? | 23 | MS. KLEIN: Objection; form. |
| 24 | MS. KLEIN: Objection to the form of the | 24 | THE WITNESS: No. |
| 25 | question. 3:00:36PM | 25 |  |
|  | Page 259 |  | Page 261 |





## Veritext National Deposition \& Litigation Services



## Veritext National Deposition \& Litigation Services



## Veritext National Deposition \& Litigation Services



| 1 | correct? 3:23:37PM | 1 | payments are -- 3:25:03PM |
| :---: | :---: | :---: | :---: |
| 2 | MS. KLEIN: Objection; form. | 2 | MS. KLEIN: Objection to form, move to |
| 3 | THE WITNESS: You have to remember that | 3 | strike -- |
| 4 | this is just for cases that were managed by the | 4 | BY MS. DOAN: |
| 5 | central office. There is several cases or equal 3:23:42PM | 5 | Q -- the amount? 3:25:04PM |
| 6 | number of cases that are managed by the UCSF campus. | 6 | A There were minimum annual royalty payments |
| 7 | BY MS. DOAN: | 7 | that are required in the agreement itself. So I |
| 8 | Q Right. And I think we saw the amount that | 8 | don't remember exactly which year what -- what was |
| 9 | was allocated to research on those. Okay. | 9 | the payment. It was a couple hundred thousand |
| 10 | So now I'm just focusing on this 3:23:53PM | 10 | dollars. I don't know. 3:25:14PM |
| 11 | particular sheet that's \$691. | 11 | Q Roughly \$250,000 or something like that? |
| 12 | Is that correct? | 12 | A Something -- it was ranging -- depending |
| 13 | A Yes. | 13 | on which year it was, it could be \$150,000 to |
| 14 | MS. KLEIN: Objection; form. | 14 | \$500,000. |
| 15 | BY MS. DOAN: 3:23:57PM | 15 | $Q$ And do you think it's recently been 3:25:23PM |
| 16 | Q Are there any -- | 16 | received by the University of California at |
| 17 | Have you -- | 17 | San Francisco or the University of California as a |
| 18 | Have we now talked about all the monies | 18 | whole? |
| 19 | that the Regents have received with respect to the | 19 | A University of California, San Francisco in |
| 20 | settlement of either the Microsoft dispute and/or 3:24:06PM | 20 | the last couple of years. 3:25:32PM |
| 21 | the settlements of either -- the -- the Defendants | 21 | Q Do you think the University of California |
| 22 | that used to be in this case? | 22 | as a whole has received more monies than the |
| 23 | MS. KLEIN: Objection; form, outside the | 23 | University of California -- than the disbursements |
| 24 | scope of the 30(b)(6). | 24 | just to the University of California, San Francisco |
| 25 | THE WITNESS: Repeat your question. I'm 3:24:18PM | 25 | campus? 3:25:43PM |
|  | Page 286 |  | Page 288 |
| 1 | sorry. 3:24:20PM | 1 | MS. KLEIN: Objection; form. 3:25:43PM |
| 2 | BY MS. DOAN: | 2 | THE WITNESS: So the money only goes to |
| 3 | Q Sure. | 3 | University of California, San Francisco, because the |
| 4 | Are there any other documents that would | 4 | invention is from San Francisco campus. So the |
| 5 | reflect the amount that the University has received, $\quad \mathbf{3 : 2 4 : 2 1 P M}$ | 5 | money comes in to San Francisco, of which then it's 3:25:50PM |
| 6 | either the entire University of California or the | 6 | distributed according to the patent policy. |
| 7 | University of San Francisco campus, from the | 7 | So I'm not sure what you're saying if it |
| 8 | disbursements from the -- Eolas Technologies? | 8 | goes to the whole UC as such. |
| 9 | MS. KLEIN: Objection; form. | 9 | BY MS. DOAN: |
| 10 | THE WITNESS: There was some recent 3:24:33PM | 10 | Q Okay. 3:26:00PM |
| 11 | payments that are not reflected here. | 11 | Well, speaking on behalf of the entire |
| 12 | BY MS. DOAN: | 12 | University of California, are there additional |
| 13 | Q Okay. | 13 | payments that have been made by Eolas that were -- |
| 14 | Have those been produced in this | 14 | recently came in that have not been reflected on the |
| 15 | litigation? 3:24:38PM | 15 | documents we've gone over? 3:26:09PM |
| 16 | A I do not know. | 16 | MS. KLEIN: Objection; form of the |
| 17 | Q Have you given them to your counsel? | 17 | question. |
| 18 | A I'll have to check. | 18 | THE WITNESS: Only the ones that I |
| 19 | MS. DOAN: Okay. Counsel, we'd request | 19 | mentioned to you, which came in to UCSF, not to any |
| 20 | that the recent payments that were provided to the $3: 24: 48 \mathrm{PM}$ | 20 | other campus. 3:26:16PM |
| 21 | University of California be produced, and we'll | 21 | BY MS. DOAN: |
| 22 | reserve any questions on those recent payments to | 22 | Q Right. |
| 23 | the extent -- what they are. | 23 | And we don't have those documents as we |
| 24 | BY MS. DOAN: | 24 | sit here today, do we? |
| 25 | $Q$ Do you know, ballpark, what these recent 3:25:02PM | 25 | MS. KLEIN: Objection; form. 3:26:23PM |
|  | Page 287 |  | Page 289 |


| 1 | THE WITNESS: I have not seen them here 3:26:23PM | 1 | MS. KLEIN: I -- you can make the record 3:27:55PM |
| :---: | :---: | :---: | :---: |
| 2 | BY MS DOAN: | 2 | of whatever you want to say. I'm going to instruct |
| 3 | Q Okay. | 3 | the witness not to answer until I've had the |
| 4 | Did you review them in preparing for your | 4 | opportunity to review the document. |
| 5 | deposition? 3:26:26PM | 5 | MS. DOAN: That's absolutely fine. $3: 28: 02 \mathrm{PM}$ |
| 6 | A I looked at them, yes | 6 | BY MS. DOAN: |
| 7 | MS DOAN: Okay Counsel, we ask that | 7 | Q The document is entitled "More Hilarity!"; |
| 8 | either the Bates stamp numbers be provided or a copy | 8 | is that correct? |
| 9 | of those documents be provided | 9 | MS. KLEIN: I'm going to object and I'm |
| 10 | BY MS DOAN: 3:26:46PM | 10 | going to instruct you -- 3:28:10PM |
| 11 | Q Who is Rita Hao, H-A-O? | 11 | THE WITNESS: I'm not going to -- |
| 12 | A She's a counsel in Office of General | 12 | MS. KLEIN: Excuse me. |
| 13 | Counsel | 13 | I'm going to instruct you not to answer |
| 14 | Q And does she practice with your | 14 | until I've had the opportunity to review the |
| 15 | representative of the Office of General Counsel who 3:27:02PM | 15 | document. So if you'll just sit there for just a $3: 28: 15 \mathrm{PM}$ |
| 16 | is here today? | 16 | moment while I have the opportunity to review it and |
| 17 | A Yes | 17 | the question can pend, okay? |
| 18 | Q And his name is Marty Simpson? | 18 | BY MS. DOAN: |
| 19 | A Yes | 19 | Q And the document goes on to say: |
| 20 | Q Remember earlier when I asked you if you 3:27:14PM | 20 | "This gets funnier and 3:28:24PM |
| 21 | took this litigation seriously? | 21 | funnier. Marty came by to ask if I |
| 22 | A Yes | 22 | can come to this meeting tomorrow, |
| 23 | Q You told me that you did, right? Is that | 23 | too. I guess he's looking for some |
| 24 | correct? | 24 | backup help on Eolas! Ha ha ha" -- |
| 25 | A Yes 3:27:25PM | 25 | MS. KLEIN: Wait a second. Before you -- 3:28:35PM |
|  | Page 290 |  | Page 292 |
| 1 | (Defendants' Exhibit 14 marked 3:27:26PM | 1 | MS DOAN: I'm make -- please don't 3:28:36PM |
| 2 | for identification ) | 2 | interrupt, Counsel |
| 3 | BY MS DOAN: | 3 | MS KLEIN: Actually, I'm about to snap |
| 4 | Q I'm handing you what I've marked as | 4 | this back, because she just testified -- |
| 5 | Exhibit Number 14, and it's a document to you -- to 3:27:28PM | 5 | MS DOAN: That's totally fine $\quad 3: 28: 41 \mathrm{PM}$ |
| 6 | Rita Hao from you. | 6 | MS KLEIN: -- Ms Hao is a -- |
| 7 | A It's a personal e-mail It shouldn't have | 7 | MS DOAN: And it says: "I'm" -- |
| 8 | been disclosed | 8 | MS KLEIN: So don't put it on the |
| 9 | Q Right. | 9 | record -- |
| 10 | Can you please read this e-mail into the 3:27:40PM | 10 | MS DOAN: -- "bringing a brown bag 3:28:41PM |
| 11 | record, please -- | 11 | lunch" -- |
| 12 | A It's a -- | 12 | MS KLEIN: -- any more You know your |
| 13 | Q -- ma'am? | 13 | obligations |
| 14 | A -- personal e-mail That's -- that's just | 14 | I'm snapping this document back I'm |
| 15 | not fair 3:27:44PM | 15 | moving to strike on the record and I'm telling you, $\quad 3: 28: 46 \mathrm{PM}$ |
| 16 | Q We've had lots of -- | 16 | Ms Doan, you understood before you asked questions |
| 17 | MS KLEIN: If you will just give me a | 17 | on the record that Ms Hao was an attorney and so |
| 18 | minute with her | 18 | I'm moving to strike the record and I hope you will |
| 19 | BY MS DOAN: | 19 | agree with that But I'm snapping this document |
| 20 | Q We've had lots of personal e-mails in this 3:27:46PM | 20 | back and I would like all copies of it $\quad 3: 28: 58 \mathrm{PM}$ |
| 21 | counsel -- in this case, ma'am, and the e-mail says: | 21 | BY MS DOAN: |
| 22 | "This gets funnier and funnier" -- | 22 | Q Now, Dr. Rajdev, I'm asking you again: Do |
| 23 | MS KLEIN: Excuse me I want to take a | 23 | you take this -- this lawsuit seriously? |
| 24 | moment -- | 24 | A Yes, I do |
| 25 | $\begin{array}{cc}\text { MS DOAN: I'm making the record -- } & \text { 37:54PM } \\ & \text { Page } 291\end{array}$ | 25 | Q Have you ever written a document where you 3:29:14PM |
|  |  |  | Page 293 |

## Veritext National Deposition \& Litigation Services





## Veritext National Deposition \& Litigation Services



## Veritext National Deposition \& Litigation Services




## Veritext National Deposition \& Litigation Services





## Veritext National Deposition \& Litigation Services

licensed the '906 patent to Eolas, did the Regents $\quad \mathbf{4 : 1 9 : 4 7 P M} \quad 1$
try and license the ' 906 patent to Adobe?
MS. KLEIN: Objection; form.
THE WITNESS: I don't specifically know,
but they contacted -- the licensing office contacted $\quad 4: 19: 59 \mathrm{PM}$ all relevant companies that they knew of at that time.
BY MR. FLOREY:
Q But do you know specifically whether they contacted Adobe or not? 4:20:08PM

A I do not recall. There is a long list of companies that they contacted. I do not know if Adobe is in there or not.

Q Dr. Rajdev, did the Regents give Adobe any notice that they believed Adobe was using the $\quad$ 4:20:23PM technology of the '906 or '985 patents before Eolas filed this lawsuit?

A Again, Eolas is the licensee. The Regents did not -- I don't believe that the Regents gave any specific notice. 4:20:38PM

## Q Okay.

So the answer is no, before Eolas sued, the Regents, who owned the patents, did not give any notice to Adobe that they believed that Adobe was using the technology; is that fair? $\quad \mathbf{4 : 2 0 : 5 0 P M}$ Page 330

4:20:52PM
THE WITNESS: The Regents own the patent,
but it's exclusively licensed to Eolas
BY MR FLOREY:
Q Okay. 4:20:58PM
I understand that Eolas is the exclusive
licensee, but I need to simply get an answer to my question, which is: Before Eolas filed this lawsuit, did the Regents give Adobe any notice that they believed Adobe was using the technology of the $\mathbf{4 : 2 1 : 1 2 P M}$ patents that they owned?

MS KLEIN: Objection; form
THE WITNESS: I don't believe so BY MR FLOREY:

Q Okay. 4:21:18PM
And do you know what Adobe products the
University of California is accusing of infringement in this case?

MS KLEIN: Objection; outside the scope
of the $30(\mathrm{~b})(6) \quad 4: 21: 27 \mathrm{PM}$
THE WITNESS: I do not
BY MR FLOREY:
Q Do you know which claims of the patents the University of California is asserting against Adobe in this case? 4:21:36PM

Page 331

MS. KLEIN: Objection; outside the scope $4: 21: 37 \mathrm{PM}$ of the $30(\mathrm{~b})(6)$.

THE WITNESS: I do not.
BY MR. FLOREY:
Q And it's true, is it not, that when this $\quad \mathbf{4 : 2 1 : 4 1 P M}$ suit was originally filed, it was filed only by Eolas and the Regents did not join as a Plaintiff?
Is that your understanding?
A Yes.
Q And in fact, the Regents joined this case $4: 21: 53 \mathrm{PM}$ as a Plaintiff recently, shortly before trial, at
Eolas' request, true?
MS. KLEIN: Object to the form of the question.

THE WITNESS: Yes. 4:22:04PM BY MR. FLOREY:

Q Dr. Rajdev, would you grab Exhibit 3 with me, please?

A Sure.
Q And this is the original exclusive license $4: 22: 21 \mathrm{PM}$ agreement between the Regents and Eolas; is that correct?

A Yes, it is.
Q Would you turn with me to page 31.
A Yes. $\quad 4: 22: 44 \mathrm{PM}$
Page 332

Q And do you see at the bottom of page 31, $\quad 4: 22: 44 \mathrm{PM}$ there is a Section 16 entitled "Infringement"?

A I do.
Q And do you recall that Ms. Doan asked you
some questions about this section? 4:22:54PM
A Yes, I do.
Q I believe that you testified and agreed
with Ms. Doan that this section was -- was
applicable between the years 1995 and 2008.
Do you recall that? $\quad \mathbf{4 : 2 3 : 0 9 P M}$
MS. KLEIN: Object to the form of the
question.
THE WITNESS: Yes.
BY MR. FLOREY:
Q And I'm looking at Section 16 1, and it 4:23:13PM reads:
"In the event that either
party responsible for
administrating this agreement
learns of substantial infringement
4:23:24PM
of any patent or copyright licensed
under this agreement, the informed
party shall call such infringement
to the attention of the other party
thereto in writing and shall 4:23:38PM Page 333


## Veritext National Deposition \& Litigation Services



## Veritext National Deposition \& Litigation Services

| 1 | Q Do you recall the subject matter of 4:30:48PM | 1 | this early this morning, but I've lost track of it. 4:33:09PM |
| :---: | :---: | :---: | :---: |
| 2 | Dr. Bennett's testimony? | 2 | When did you first begin working in the |
| 3 | A It was generally about University of | 3 | University of California system? |
| 4 | California's licensing practices and how we | 4 | A April -- no, May -- around May 1995, May |
| 5 | distribute the income and what we do with the $4: 30: 58 \mathrm{PM}$ | 5 | or June, something like that 4:33:23PM |
| 6 | income. | 6 | Q Okay. |
| 7 | Q Thank you. | 7 | And do you recall, were you using the |
| 8 | Would you grab Exhibit 2, please? | 8 | Adobe Acrobat Reader product back in May or June of |
| 9 | A I have it. | 9 | 1995? |
| 10 | Q I'm going to direct you to the list of 4:31:23PM | 10 | MS KLEIN: Objection to the form 4:33:35PM |
| 11 | topics on the very last page. | 11 | THE WITNESS: I don't specifically recall |
| 12 | And do you see Topic 3? It reads: | 12 | BY MR FLOREY: |
| 13 | "The first knowledge and use, | 13 | Q How about the Flash Player? Do you recall |
| 14 | including the dates and scope of | 14 | using the Flash Player when you joined the |
| 15 | said use, by the Regents of the 4:31:44PM | 15 | University system? 4:33:46PM |
| 16 | technologies alleged to be | 16 | A I don't specifically recall I mean, if |
| 17 | infringing at any time in this | 17 | there were PDF documents at that time, I'm sure we |
| 18 | litigation, as well as the Regents' | 18 | used them, but I don't remember |
| 19 | relationship with each of the | 19 | Q So if the PDF documents were available |
| 20 | Defendants in this lawsuit." 4:31:52PM | 20 | back then, you believe you would have been using 4:34:03PM |
| 21 | Do you see that? | 21 | them? |
| 22 | A Yes. | 22 | MS KLEIN: Objection; form |
| 23 | Q Do you know when the Regents first became | 23 | THE WITNESS: If the Reader was available |
| 24 | aware of the Adobe technology that's being accused | 24 | and if the PDF documents were available and if that |
| 25 | of infringement in this case? 4:32:08PM | 25 | was the only way to read the PDF documents, yes 4:34:11PM |
|  | Page 342 |  | Page 344 |
| 1 | MS. KLEIN: I'm going to object to the | 1 | But I don't remember 4:34:13PM |
| 2 | form of this question as being outside the scope of | 2 | BY MR FLOREY: |
| 3 | the $30(\mathrm{~b})(6)$ to which this witness has been | 3 | Q But you agree with me, Dr. Rajdev, that |
| 4 | designated to testify. | 4 | the Adobe Acrobat and PDF system has been out on the |
| 5 | You may answer in your personal capacity $\quad 4: 32: 17 \mathrm{PM}$ | 5 | market for at least over 10 years? 4:34:24PM |
| 6 | if you know. | 6 | MS KLEIN: Object to the form of the |
| 7 | THE WITNESS: First ever? | 7 | question Object; outside the scope of the |
| 8 | BY MR. FLOREY: | 8 | 30(b)(6) |
| 9 | Q Yes. | 9 | You may answer in your personal capacity |
| 10 | A No, I have no idea. 4:32:23PM | 10 | THE WITNESS: I don't know exactly how 4:34:34PM |
| 11 | MR. FLOREY: And I would note that it | 11 | long it's been available, but since I've been in the |
| 12 | appears that the Regents have not designated anyone | 12 | Technology Management, which was since 2002, I've |
| 13 | on this topic. We believe, in light of the | 13 | used them |
| 14 | willfulness allegations in the case, that the first | 14 | BY MR FLOREY: |
| 15 | knowledge of a Plaintiff of the infringing -- $4: 32: 37 \mathrm{PM}$ | 15 | Q So you have used the Adobe Acrobat product 4:34:42PM |
| 16 | alleged infringing use is clearly relevant, so we | 16 | since you joined the Technology office in 2002; is |
| 17 | would request a witness on this topic. | 17 | that correct? |
| 18 | I am correct that this witness has not | 18 | MS KLEIN: Object to the form of the |
| 19 | been designated; is that right? | 19 | question |
| 20 | MS. KLEIN: That is correct. 4:32:51PM | 20 | THE WITNESS: Because we usually share PDF 4:34:52PM |
| 21 | MR. FLOREY: Okay. So we do request a | 21 | versions of the agreements |
| 22 | witness on this topic. I think it's clearly | 22 | BY MR FLOREY: |
| 23 | relevant. | 23 | Q So the various agreements that we've been |
| 24 | BY MR. FLOREY: | 24 | looking at here were created and transmitted in the |
| 25 | And I apologize, I'm sure that you said 4:33:06PM | 25 | PDF format; is that what you're saying? 4:35:01PM |
|  | Page 343 |  | Page 345 |

## Veritext National Deposition \& Litigation Services



## Veritext National Deposition \& Litigation Services



## Veritext National Deposition \& Litigation Services

| 1 | Dr. Doyle did some demonstration at some $\quad 4: 48: 57 \mathrm{PM}$ | 1 | this lawsuit, do you? 4:50:53P | PM |
| :---: | :---: | :---: | :---: | :---: |
| 2 |  | 2 | A I have some in my records, but not all of |  |
| 3 | of companies that signed the confidentiality | 3 | them. |  |
| 4 | agreement and that's how they learned more details | 4 | Q For example, have you read Yahoo's answe |  |
| 5 | about the technology. 4:49:10PM | 5 | that it filed in this lawsuit and the counterclaim | 4:50:59PM |
| 6 | Q How many active cases do you have in your | 6 | against the University of California? |  |
| 7 | caseload today? | 7 | A I have not read it. My counsel might |  |
| 8 | A Close to 300. | 8 | have; I have not. |  |
| 9 | Q And how many technologies does that | 9 | Q So when you say the entire case file, |  |
| 10 | encompass? 4:49:19PM | 10 | you're talking about the case file that you 4:5in | 4:51:10PM |
| 11 | A More than 300. | 11 | specifically described to me with respect to the |  |
| 12 | Q Do you sit around in your daily life | 12 | licenses, the communications about the licenses, th | the |
| 13 | wondering if the things that you use infringe upon | 13 | sublicenses, et cetera, correct? |  |
| 14 | any patents covered by those technologies? | 14 | A Yes. |  |
| 15 | A I don't have time or resources to do that. $4: 49: 34 \mathrm{PM}$ | 15 | Q Not the case file as in the lawsuit case 4: | 4:51:19PM |
| 16 | That's what -- we rely on licensees. | 16 | file; am I right? |  |
| 17 | Q And was this current lawsuit pending | 17 | A Yes. |  |
| 18 | against the Defendants that remain in this lawsuit | 18 | Q Okay. |  |
| 19 | in 2008? | 19 | With respect to the e-mails that you |  |
| 20 | A No. | 20 | talked about from -- with -- between Pei Wei and | d $4: 51: 29 P \mathrm{M}$ |
| 21 | MS. KLEIN: Those are all the questions I | 21 | Michael Doyle -- |  |
| 22 | have. | 22 | A Yes. |  |
| 23 | MS. DOAN: I have a few follow-ups. | 23 | Q I think we covered those for that time |  |
| 24 | //I | 24 | period. |  |
| 25 | /// 4:49:57PM | 25 | Is there any other e-mails that you have 4 | 4:51:37PM |
| Page 354 |  |  |  | age 356 |
| 1 | FURTHER EXAMINATION 4:49:57PM | 1 | reviewed or correspondence or documents from Pei | Pei 4:51:40РМ |
| 2 | BY MS. DOAN: | 2 | Wei? |  |
| 3 | Q Dr. Rajdev, I just have a few follow-up | 3 | A No |  |
| 4 | questions. | 4 | Q Have you ever gone on -- |  |
| 5 | You were talking with Ms. Klein aboutreviewing the entire case file. | 5 | Has the University of California ever gone 4 | 4:51:47PM |
| 6 |  | 6 | online to look to see what the Viola browser is |  |
| 7 | Is the case file what you talked to me | 7 | about and to view the demonstrations of the Viola |  |
| 8 | about earlier? | 8 | browser? |  |
| 9 | A Those are the case files. | 9 | MS KLEIN: Object to the form of the |  |
| 10 | Q Okay. 4:50:30PM | 10 | question 4:51:56PM |  |
| 11 | You haven't reviewed like the case file | 11 | THE WITNESS: I have not |  |
| 12 | from this lawsuit? | 12 | BY MS DOAN: |  |
| 13 | A Where the Defendants provided the | 13 | Q The e-mails that you did review from Pei |  |
| 14 | materials? | 14 | Wei, did you notice that he was a student at the |  |
| 15 | Q Yes, with respect to all the pleadings and $\mathbf{4 : 5 0 : 3 7} \mathbf{P M}$ | 15 | University of California when he was sending those | ( 4:52:04PM |
| 16 | all the documents that we've produced and all the | 16 | e-mails? |  |
| 17 | prior art, et cetera. | 17 | A I don't know if at the bottom it said |  |
| 18 | A No. | 18 | "Student " I don't recall |  |
| 19 | Q Okay. | 19 | Q Do you recall that his e-mail address |  |
| 20 | So you only have like a banker's box full $4: 50: 43 \mathrm{PM}$ | 20 | comes from an XCF UC Berkeley address? | 4:52:16PM |
| 21 | plus what's on your electronic file, right? | 21 | A The Berkeley address, you can maintain |  |
| 22 | A Yes. | 22 | those addresses even after you have left the |  |
| 23 | Q Okay. | 23 | University |  |
| 24 | You don't have the pleadings -- | 24 | Q Okay. |  |
| 25 | Or you don't have all the pleadings in $\begin{array}{r}\text { a }\end{array} \begin{aligned} & \mathbf{5 0 : 5 2 P M} \\ & \text { Page } 355\end{aligned}$ | 25 | Has anybody from the University of 4 | 4:52:24PM |
|  |  |  |  | age 357 |

## Veritext National Deposition \& Litigation Services

| 1 | California ever reached out to Pei Wei to do some 4:52:26PM | 1 | Q What you do know is that the University of 4:53:56PM |
| :---: | :---: | :---: | :---: |
| 2 | type of analysis as to whether, indeed, the Viola | 2 | California has never reached out to Pei Wei, |
| 3 | browser predates the claimed invention of the '906 | 3 | correct? |
| 4 | patent? | 4 | MS. KLEIN: Objection; form. |
| 5 | MS. KLEIN: Object to the form of the $4: 52: 37 \mathrm{PM}$ | 5 | THE WITNESS: That's right, not that I 4:54:00PM |
| 6 | question. | 6 | know of. |
| 7 | THE WITNESS: No, but the analysis was | 7 | BY MS. DOAN: |
| 8 | done by the patent office. | 8 | Q We were talking about the companies that |
| 9 | BY MS. DOAN: | 9 | signed a confidentiality agreement. I just want to |
| 10 | Q I understand that. 4:52:41PM | 10 | make sure we're talking apples to apples, okay? 4:54:10PM |
| 11 | One of the topics that you're talking | 11 | We're talking about Motorola, Farallon, |
| 12 | about here today or you're designated on is the | 12 | and the venture capitalist group, and you gave me |
| 13 | analysis that the Regents of California have done. | 13 | the name of it. |
| 14 | That's why I'm asking you this, okay? | 14 | A Vanguard. |
| 15 | A I don't know. 4:52:49PM | 15 | Q Yes, Vanguard. 4:54:20PM |
| 16 | Q Okay. | 16 | A So those were the companies that actually |
| 17 | So let me ask my question again: Has | 17 | had more discussions and wanted to learn more about |
| 18 | anybody from the University of California ever | 18 | the technology, but there could have been more |
| 19 | reached out to Pei Wei to do some type of analysis | 19 | companies that signed the confidentiality agreement |
| 20 | as to whether, indeed, the Viola browser dates the $\mathbf{4 : 5 2 : 5 7 P M}$ | 20 | but then after they reviewed the information, they $\quad 4: 54: 28 \mathrm{PM}$ |
| 21 | claimed invention of the '906 patent? | 21 | never got back. |
| 22 | A Not that I know of. | 22 | Q Do you know of any other companies that |
| 23 | MS. KLEIN: Objection. | 23 | signed any type of confidentiality agreement with |
| 24 | BY MS. DOAN: | 24 | the University of California over the claimed |
| 25 | Q Has anybody from the University of 4:53:04PM | 25 | invention that became the '906 patent? 4:54:38PM |
|  | Page 358 |  | Page 360 |
| 1 | California ever conducted any type of analysis or 4:53:06PM | 1 | A I don't have a list right now. 4:54:41PM |
| 2 | examination about the Viola browser where they have | 2 | Q Do you know if any other companies even |
| 3 | reached out to Pei Wei? | 3 | exist? |
| 4 | MS. KLEIN: Objection; form. | 4 | A I don't know. |
| 5 | THE WITNESS: No. 4:53:17PM | 5 | Q Is there anything that Ms. Klein asked you $\mathbf{4 : 5 4 : 4 8 P M}$ |
| 6 | BY MS. DOAN: | 6 | about that would in any way make you want to give |
| 7 | Q Indeed, hasn't the University of | 7 | the testimony that you gave to this jury under oath |
| 8 | California consistently taken the position against | 8 | earlier today? |
| 9 | its former student, Pei Wei, that the University of | 9 | MS. KLEIN: Objection to form. |
| 10 | California is the patent holder of this claimed $4: 53: 28 \mathrm{PM}$ | 10 | BY MS. DOAN: 4:55:01PM |
| 11 | invention and he did not invent it first? Is that | 11 | Q You can answer. |
| 12 | not the position the University of California took | 12 | A No. |
| 13 | in the Microsoft lawsuit? | 13 | MS. DOAN: Thank you, ma'am. |
| 14 | MS. KLEIN: Objection; form. | 14 | Pass the witness. |
| 15 | THE WITNESS: He never contacted the 4:53:39PM | 15 | MS. KLEIN: One question. 4:55:05PM |
| 16 | University. | 16 | MS. DOAN: Sure. |
| 17 | BY MS. DOAN: | 17 | FURTHER EXAMINATION |
| 18 | Q I understand that. | 18 | BY MS. KLEIN: |
| 19 | Is that the position the University of | 19 | Q Dr. Rajdev, Ms. Doan just asked you |
| 20 | California took in the Microsoft lawsuit directly 4:53:44PM | 20 | questions about the analysis conducted by the $4: 55: 15 \mathrm{PM}$ |
| 21 | against what Pei Wei was claiming? | 21 | University with respect to Mr. Wei. |
| 22 | A I don't know. | 22 | With respect to those questions, were you |
| 23 | Q You don't know any position the University | 23 | considering the University's outside patent counsel |
| 24 | of California took in the Microsoft lawsuit? | 24 | to be part of your answer? |
| 25 | A I don't know about the lawsuit. 4:53:53PM | 25 | A I was not. I was talking about the $4: 55: 36 \mathrm{PM}$ |
|  | Page 359 |  | Page 361 |

## Veritext National Deposition \& Litigation Services




## Veritext National Deposition \& Litigation Services

\section*{| A |
| :--- |
| abandoned (1) 123:1 |}

ability (2) 87:19 21
able (9) 127:19 129:19 151:14 18 151:22 175:20 176:3 183:15 196:8
absolutely (6) 69:11 11421 140:20 161:21 169:4 292:5
access (1) $146: 17$
account (7) 303:12 131419 321:20 324:14 327:4
accurate (9) 7:22 9824 100:15
231:19 253:18 307:14 15
348:13 364:12
accused (1) 342:24
accusing (1) 331:17
acknowledge (2) 76:24 78:8 acknowledgement (37) 45:19 22 46:5 822 47:5 48:11 2024 49:4 49:10 20502 51:12 52:8 15 53:4 $162054: 1621$ 55:2 5659 56:23 573 136:18 138:14 146:17 147:21 148:9 231528 153:2 17 160:23 161:12
acrobat (7) 337:16 18 338:4 19 344:8 345:4 15
action (4) 117:11 335:7 $24364: 15$ actions (1) $325: 1$
active (2) 199:3 354:6
actively (1) 44:22
actual (3) $181231956341: 2$
add (1) 109:2
added (1) 346:20
addition (3) 228:18 269:9 12
additional (5) $1475148: 14$ 266:11 $111289: 12$
address (10) $62161: 7$ 112:18 170:89 $17312: 12357: 192021$

## addressed (1) 170:12

addresses (1) 35722
addressing (1) 164:16
adjusted (3) 264:2 265:10 2662
administering (1) 242:24
administrating (1) 333:19
administration (4) 194:21 195:14 351:9 22
administrative (1) 392
administrators (7) 139:14 173:17 185:20 186:4 8 194:16 362:1
adobe (43) $1: 94: 36: 368: 6$ 105:19 108:23 218:24 234:18 245:5 271:1 329:18 330:2 1013 330:14 $152424331: 9101625$ 334:8 15 335:25 336:1 1024 337:14 338:3 $1019339: 1111$ 342:24 344:8 345:4 15 346:19 349:17 22 366:7 368:6
adobes (2) 338:24 369:11
advise (5) 136:21 244:5 1219 245:4
advised (2) 60:179625
advisement (1) 74:16
advises (1) 139:2
afternoon (3) 329:14 15 350:22
agents (1) 177:8
ago (10) 10:13 15:9 217 35:16 157:5 183:3 229:25 322:4 3235 327:22
agree (11) 4525 47:11 56:10 57:5 174:21 279:12 280:23 293:19 341:23 345:3 34825
agreed (1) 3337
agreement (91) 45:4 6 48:1 70:9 70:13 $17745875: 2576: 812$ 76:16 $2377891478: 1218$ 103:2 142:15 1921 143:2 3 168:1 1 178:1 18 181:17 199:2 199:3 219:25 220222 222:1 22 223:9 101314 224:14 225:21 226:9 227:25 2297 230:18 231:11 233:4 13 234:16 2375 241:13161718242:1 242432 251:7 20 254:23 280:1 $4288: 7$ 303:24 304:20 20 306:4 307:15 311:8 20 332:21 333:19 22 334:23 347:23 349:8 20 350:4 6 354:4 360:9 1923 366:9 13 367:5 1117 368:4
agreements (21) 4422 129:6 7
167:11 $20168717169: 11$ 170:1 175:24 179:9 181:16 20 23520 269:3 20 301:1 8 307:10 3452123
agricultural (1) 258:16
ahead (5) 54:17 237:23 260:9 304:17 335:19
airplane (1) $323: 9$
ajax (1) $88: 19$
al (4) 1:11 234:19 271:2 368:7
alamos (9) 200:22 25 201:20
212:172023213:3814
alan (4) 177:13 15 226:14 341:11
alive (1) 19:18
allegations (3) 295:22 336:10 343:14
alleged (3) 335:25 342:16 343:16
allegedly (3) 95:17 187:6 15
alliance (3) 35:14 18 37:24
alliances (7) 34:14 1921 35:2 11 283713
allocated (1) $286: 9$
allocation (5) 26722 268:1 281:19 285:16 25
allow (7) 15:13 18 16:20 $2026: 17$ 75:18 276:21
allowed (4) 103:4 137:11 279:20 294:9
allows (5) 15:1531587:22 1725 27521
alternative (2) 30:13 25
alto (1) $3: 17$
alumni (1) 305:14
amazon (43) 1:10 4:11 5:22 24 90:5 $1891892: 12593: 457$ 94:1795:14 $152196: 418$ 1058 108:8 110:10 114:4 11 165:17 166:14 168:18 170:2 21 17021 171:1 $1324182: 8$ 218:17 244:6 276:15 2425 2778 295:8 23 349:13
amended (10) 143:9 229:7 231:10 233:3 241:16 243:16 244:1 367:5 1116
amendment (7) 220:22 222:21 231:10 241:5 242:1 366:13 367:11
amendments (7) 178:2 224:10 241:15 $2424243: 1525$
amount (35) 109:14 17 110:14 $15157251: 519253: 1818$ 254514 264:2 1522 265:8 23 26524 266:1914267:1717 $267212125269: 112802$ 28321 284:22 285:9 25 286:8 2875 288:5
amounts (2) 151:12 266:5
analysis (16) 90:13 106:12 108:20 $187: 19188: 24189: 122121$
$191 \cdot 12358: 271319359: 1$ 191:12 358:271319359:1 36120 362:12
analyze (1) 16522
anatlab (22) 12925 130:1 3616 13021 131:8 1022 132:11 133325 134:591358 136:5 157:1 $3260: 141720261: 3$
anatlabs (1) 133:18
andreeseen (1) 3293
andreessen (1) 328:25
ang (4) 78:4 $817155: 25$
angeles (1) 310:12
announce (1) 316:21
announcement (5) 71:24 72:68 73:11318:12
announcements (1) 726
announcing (1) $318: 18$
annual (4) 127:10 269:2 7 288:6
answer (98) 8:15 9:16 18 12:22 $13: 81662117: 526: 141417$ 27:24 39:19 40:19 49:15 50:7 50:24 51:3 4 61:23 246222 63:2 $16642165: 72166: 1122$ 75:19 85:21 87:11 90:10 91:10 93:16 106:4 107:10 20 109:4 115:19 116:21 117:1 1245 133:9 137:24 144:17 19 159:16 162:17 164:25 170:5 17120 18322 200:15 209:17 237:3 13

260:6 $810272513273: 1114$ 273:22 274:18 $2768278: 10$ 292:3 13294720202425 295:10 1316 296:23 298:9 11 298:13 $16301: 20302: 921$ 327:1 330:22 $331: 7$ 338:15 339:3 343:5 345:9 350:5 353:10 356:4 361:11 24
answered (13) 27:22 2525 28:6 55:15 62:10 192023 63:4 164:4 296:3 365:14
answering (2) 8:17322 8
answers (3) 16:2 62:11 150:25
anybody (29) 10:21 12:15 13:3 43:4 79:17 82:69 83:396 38 96:1497:8 $1419102: 214123$
157:17 1583 176:1 177:16
193:20 25 196:24 277253377 357:25 358:18 2536225
anyway (1) 122:11
apart (8) 67:20 117:24 120:17 162:10 239:16 240:16 247:3 13
apologize (5) $522391: 1516$ 321:10 34325
apparently (2) 281:46
appear (6) 226:25 227:3 236:14 257:142672527824
appearance (2) $3: 1$ 4:1
appearing (2) $9560: 18$
appears (21) 158:7 220:12 2217
223:4 224:1 18 225:3 13 226:13
228:16 256:14259 61217
265:14 2793 281:18 285:21
306:8 343:12 349:4
apple (2) 1:10 104:4
apples (4) $1192222360: 1010$
applicable (1) $333: 9$
application (11) 82:4 10 84:16
85:1 86:1498:499:1 15 157:11 157:12 19323
applications (8) 87:20 23 89:5 6 124:16300:12 2123
applied (6) 43:2 81:17 191:14 209:23 25 210:4
applies (1) 122:15
apply (6) $8: 56121: 1519124: 9$ 329:22
applying (2) 175711
appreciate (1) 28:12
approach (4) 137:18 13822 139:16 178:9
approached (7) 1058111519 117:13 145:19 325:15
approaching (1) $102: 3$
appropriate (1) 212:25
approved (1) 2188
approximately (4) 15:9 24:2 $26: 7$ 722
apps (7) 304:19 311:45 1314 313:6 317:10
april (4) 58:18 73:16 80:3 344:4
area (4) 18:7 21:12 30:16 31:4
areas (1) 3020
argumentative (2) 145:12 282:10
art (16) 173:7 209:11 20 210:3
212:12 238:4 121723951015 239:25 240:1 417 355:17
articles (1) 34723
aside (8) $11725161: 819$ 222:11 275:23 2955193258
asked (23) 2722 28:6 55:14 56:3 6224 76:22 8521 151:5 164:4 168:23 189:11 214:16 229:25 262:6 290:20 293:16 296:1 299:19 333:4 349:7 $12361: 519$ asking (39) 26:9 12 47:9 5022 $752476: 1$ 84:1 $2990: 1215$ 122:2 $201457151: 68157: 14$ 165:25 1662016857 169:6 13 171:23 188:19 200:17 211:2 216:11 $26520271: 1819$ 293:22 30623 326:10 327:3 328:21 329:17 $3518358: 14$
asks (1) 18824
aspect (1) 96:18
aspects (1) 167:4
asserting (10) 90:172591:7 19 92:1 296:17 297:39 1533124
assign (14) 45:25 56:10 17 137:17

138:21 149:22 152:15 22 153:23 160:15 162:37 25 163:24
assigned (3) 153:15 263:7 11 assignment (13) 45:1455:9 1220 55:21 56:4 $6149: 51316020$
160:22 161:9 12
assignments (1) 162:12
assistant (13) 18:14 20:3 5611 20:17 21:10 1517 23:18 24:1 27:15 41:3
associate (11) 32:10 $112433: 1$ 33:21 $23987158: 17$ 176:11 11 341:8
associated (4) 129:1 180:14 259:8 277:16
associates (2) 32:12 34:6
association (3) 126:5 81285
assume (4) 8:15 83:25 239:3 336:7
assuming (7) 12:6 14:7 68:16 79:10 80:22 147:18 186:24 attached (6) 59:11 68:17 19 224:2 $2416347: 3$
attachment (1) 368:17
attained (1) 44:16
attempt (2) 92:9 24
attempted (1) 92:6
attend (5) 9:1 51:19 128:4 162:21 162:22
attended (3) 1322 152:6 14
attention (2) 243:4 333:24
attorney (8) 81:23 86:4 123:8 271:16 18 272:4 293:17 364:16
attorneys (9) 103:11 $1047119: 13$ 119:15 120:1 2241215 365:21
audible (2) 16:6 16
august (8) 220318 222:25 223:6 224:21 225:14 16 253:8
authentic (4) 227:9 231:19 348:12 348:13
authenticity (3) 227:5 236:17 347:2
authority (1) 307:10
autm (5) 126:578 127:10 128:11
automatically (1) $161: 18$
available (12) $29230: 1714621$ 148:7 196:1320520 314:1 319:22 344:19 2324 345:11
avenue (1) 3:16
avoid (2) 263:11 13
aware (50) 6725 92:22 96:13 102:2 $1182011968123: 1819$ 123:24 129:24 132:9 141:2 146:20 147:1 152510131820 153:1 168:9 173:16 18 175:5 178:7 1838 185:1 9 188:17 189:6 2028 209:19 238:16 24 244:9 $24625248: 19101322$ 298:22 299:2 302:17 303:23 313:13 341:15 342:24 351:10
b(126) 1:1526:10 $1137: 513383$ 39:18 40:17 48:22 49:13 50:5 50:18 51:15 22 53:25 90:11 91:3 95:25 107:18 108:11 109:12 110:12 111:14 112222 114:16 115:3 $17116: 14121: 10$ 121:23 124:3 $201252134: 17$ 149:2 $16164: 523165721$ 166:24 167:15 24 168:13 22 170:4 171:18 172:4 16 187:12 190:22 191:8 193:11 203:15 23 205:18 206:15 22 207:7 22 208:25 209:15 210:6 20 213:11 213:18 215:17 218:1 237:1 11 237:22 238:7 239820 240:9 20 247:16 250:23 257:2 11 259:1 273:7 $1121275: 1018276: 17$ 277:2 19 281:6 28624 296:19 297:5 1117 299:19 300:2 10 301:5 1319 302:8 20 304:3 305:6 3076183083 309:23 311:18 313:10 314:9 163155 328:5 13 331:20 3322 336:12 337:3 338:14 339213 343:3 345:8
bachelors (1) 13:19
back (18) 1522 67:10 148:23 159:11 169:17 240:23 269:15 280:13 293:4 $1420294: 9$ 295:12 310:25 344:8 20 360:21 36820
backup (1) 292:24
bad (2) 156:2 2626
badger (1) 877
badgering (1) 282:10
bag (1) 293:10
baker (6) 204:9 15 205:19 206:3 206:19 207:16
balance (1) 284:20
ballpark (5) 39:3 109:16 110:16 205:16 287:25
bankers (1) 355:20
bari (1) 79:22
base (1) $8: 11$
based (6) 1672 200:17 268:17 276:9 11 324:25
basic (1) 127:1
basically (4) 37:21 138:5 13 16125
basis (3) 9:11 54:8 136:6
bates (37) 47:11 152205 221:2 223:1 24 224:16 225:9 23 226:9 228:18 229:8 232:7 2523420 24025 249:19 20222502 2908 304:9 308:14 366:11 13 366:15 19 367:9 1520368711 368:15 $1821369: 610$
bau (1) 337
baumjohan (1) 33:8
baumjohann (1) 33:5
bearing (14) 366:11 131519
beta (2) 13158
better (2) 16:25 136:14
beyond (67) 37:5 12 38:2 39:17 40:17 $482249: 1350517$ 51:15 $22532490: 891: 39525$ 108:11 109:11 110:12 111:14 112:2 22 114:16 115:3 16 116:13 121:10 22 124:3 20 125:2 134:16 149216 164:4 23 165:7 21 166:24 167:15 24 168:12 21 170:3 171:17 1723 172:15 187:11 190:21 1918 193:10 203:14 23 205:18 206:14 22 207:7 22 208:25 209:15 210:6 20 213:1118 215:16 218:1 224:4 250:23
big (3) 34:10 178:23 179:1
bigger (1) 34:13
bill (3) 204:9 206:3 207:15
bina (2) $194: 79$
binder (1) 123
binders (1) 12:3
bioentrepreneurship (4) 36:25 37:1 1373 138:3
bit (12) 91:15 107:23 112:17 1163 128:24 25 136:14 157:7 167:19 184:2 206:1 238:11
blank (2) 26834
blanking (1) 2753
blue (1) $347: 9$
blurb (2) 313:21 314:21
board (1) 127:17
book (3) 191:19 2325
bottom (4) 228:19 283:23 333:1 357:17
bought (1) 170:22
box (4) 179:4 $620355: 20$
brain (1) 164:12
brandnew (1) $38: 9$
break (24) 17:47 62:17 18 63:25 64:9 67:11 125:11 $20150: 19$ 151:20 23 159:11 219:314 19 234:4 245:17 246:1 274:15 296:6 13 350:14
breaking (2) 191:1 316:11
brief (8) 64:9 67:11 12520 219:14 234:4 241:24 246:1 329:10
bringing (1) 293:10
brought (2) 195:10 29522
brown (1) 293:10
browser (46) 87:19 21 173:7 184:22 24 185:1 916 186:1 20 187:610101622188815 189:4 14 190:1 16 191:13 20 192:5 193:23 194:13 22 195:16 252:6 255:11256 $37257: 9$ 258:21 259:13 302:11 24 303:2 324:14 351:10 357:6 8 358:3 20 359:2 362:14
browserbased (1) 300:21
bryant (1) 3:6
bubman (2) 332425
bullet (1) 317:6
bunch (3) 122202206 249:23
business (23) 37:10 23 42:5 128:10 135:22 23 140:12 1523 141:29141824142:9 143:45 143:8 13 205:3 $23120236: 11$ 277:8
buying (1) 44:20
c(10) 73:21 74:1 $1275: 16$ 76:2 77:13 2024 78:17 79:3
calendar (12) 312:20 313:6 316:7 316:14 317:11 $16318: 16619$ 369:69
calif (1) 105:17
california (478) 1:16 2:10 3:17 $4245: 1220$ 6:25 7:1 4711 9:6 12:10 161825 13:13 17:16 19 18:17 1961216 21:16 2220 23:19 $24292331: 1013$ 32:6 34:8 35:4 193720 39:13 1416 40:1 410154223 44:25 45:16 45:24 46:1 7 48:19 49:9 1923 50:16 51:11 1920 53:17 21 54:111855356:1219575

58:5 6 59:6 22 60:24 61:4 15 62:2 8 63:1 1321 64:17 23 65:4 65:8 212325 66:2 1323 67:18 65:8 $21232566: 2132367: 18$
$68: 3825702274: 925758$ 68:3 $825702274: 925758$
$77: 2578: 1419846101290: 5$ $77: 2578: 1419846101290: 5$
$90: 172591: 71925925919$ 92:24 93:794:21 23 95:1 512 95:13 $2196: 491597: 71318$ 98:2 2225 99:13 100:15 1013 101:12241028121610527 105:10 14192225 106:7 1072 107:13 108:171422 109:9 110:10 111:711182511220 $11225113: 522114: 4112325$ 115:10 $1311689117: 1722$ $118371518119: 1421$ 120:4 120:421 $25121821123: 716$ $120: 42125121821123: 716$
$12325124: 91723127: 1820$ $12325124: 91723127: 1820$
$13121132: 9134: 14136: 918$ 136:1922 13721 138:16 139:19 140:10 112223 141:24 142:16 143:7 145:6 147:7 24 14822 149:12 142023 152:6 152:141715324154:24 15520 156:6 157:18 158:4 12 $1612610162: 61020164: 1$ 165:18 166:2 167:12 21 168:8 168:18 170:2 172:12 173:4 15 17323 174:2 911 175:7 21 176:4 1522 179:9 180:6 182:4 182:9 $14211837185: 91520$ $18625187: 8188: 514189313$ 18924 190:5 17 191:2 1118 1923 193:179195:15 23 196:9 197:24 199:5 15200210 201:4101620224121323 2032513192048 205:16 $207351120208: 19142123$ 2095611242521031017 $211: 111721221116213721$ 214:9 $1022215: 1015217319$ 21861122 220:15 23 221:9 2236 224:15 225:17 226:16 22725 229:13 18 231:20 25 234:17 235:21 236:22 237:8 18 $238316239: 414240: 3616$ $24451219245: 412246: 616$ 24623 247:471219 248:7 15 248:19 242498 253:19 254:6 7 254:10 1525 256:24 26320 265:49 267:6 26871221 27021 271:25 272:9 $20275: 15$ 276:15 222777 283:12 287:6 28721 288:16 1719212324 289312 296:17 297:3915 21 29725 298:4 1924 299:5 1015 29923 300:6 23 301:2 917 3022418 303:24 304:25 305:2 3066 307:4 3095 310:4 712 310:17 $21311: 15312: 15314: 5$ $3162319: 12$ 327:23 328:1 10 331:17243443348:53492 $3566357: 515358: 11318$ 359:1 810122024 360:2 24 362:13 22 364:1 5 366:6 810 $367612183685369: 12$
californias (19) 75:25 140:12
172:1 185:24 194:11 20 195:13 198:10 2321121 212:6 213:2 232:16 236:4 12 259:20 273:3 301:10 342:4
call (11) 45:3 21 46:4 74:18
16825 169:2 243:3 260:11 12 325:4 333:23
called (12) 30:23 34:14 56:22 25
1265 127:2 12925 134:3 138:5
178:11 182:24 327:16
calls (2) $43: 14272: 3$
calmessage (1) $318: 16$
calmessage (1)
campbell (1) 10:16
campus (50) 7:89 18:1 $21: 2$ 40:4 41:462365:4 120:5 1121 122:4 12 152:7 15 163:10 174:2 17625 181:3 212:23 213:15 25289 254:17 20 263:10 26624 283:13 22 284:6 17 285310 286:6 287:7 288:25 289:4 20 309:25 312:19 313:7 $3166131423317: 15318: 12$

318:1736958
campuses (21) 39:25 40:9 1115 4020 45:1 5 120:1 18 200:6 8 200:16 19 201:4 2553 283:3 303:25 311:163485 20 349:3
candace (1) 225:4
candy (1) $341: 10$
cant (17) 9:12 33:7 54:4 131:15 135:7 156:9 158:22 165:11 170:17 $1716201: 621323$ 248:1 273:13 279:20 280:22 306:20
capacity (12) 26:10 18 39:20
843 131:17 170:5 171:24 302:9 338:15 3393 343:5 345:9
capital (2) 98:10 12
capitalist (5) 99:12 20 101:1
178:14 360:12
capitalize (1) 147:6
caps (1) $126: 8$
captioned (1) 5:13
card (1) 15:14
care (1) 179:24
career (1) 127:13
career (1) $27: 13$
careers (2) $30: 1325$
carolina (1) 6:23
case (79) 5:13 9:2 48:2 78:25 79:13 2023 84:13 98:7 105:12 109:10 110:10 112:15 118:23 128:24 129:18 1423 158:18 161:17 162:17 173:18 175:23 176:9 121518 177:18 24 178:3 178:18 182:15 $1721186: 9$
194:17 $1988200: 720425$ 214:23 215:11 240:12 241:1 262:5 25 263:1 28 272:10 21 273:19 275:16 278:1 286:22 291:21 313:173143315:11 321:14 $18331: 1825332: 10$ 340:9 341:9 11 342:25 343:14 349:18 351:14352 23 355:6 79 355:11 356:9 101515 368:14

## caseload (1) $354: 7$

cases (10) 542 128:25 198:2
259:3 263:12 283:3 286:4 56 354:6
catch (1) 323:9
catching (1) $323: 12$
categories (2) 256:8 23
categorize (2) 352:21 3536
category (11) 2525 255:10 11
256:3 12141517 257:9 258:22 258:23
caution (2) 133:4 271:15
cbe (1) $36: 25$
cda (1) 10020
center (11) 2:10 5:12 36:25 37:1 129:21 1372 138:3 154:12 15 155:6 173:25
central (12) 10:19 120:7 24 176:21 23 177:48 179:14 263:8 281:21 283:4 286:5
certain (13) 10:25 $58759: 10$ 64:17 102:18 146:19 166:2 13 236:19 26523242662 269:10
certainly (1) $148: 8$
certificate (3) 126:22 25 127:2
certified (1) 364:4
certify (2) 364514
cetera (5) 146:3 2553 354:2
355:17 356:13
challenged (2) 248:24 249:9
challenging (1) $248: 12$
chance (1) $281: 12$
chancellor (1) 413
chancellors (1) 368:16
change (7) 57:21 8521 128:15
128:20 159:1721 1607
changed (1) 255:1
changes (1) $217: 10$
chapel (1) 622
charge (2) 139:4 215:14
charitable (2) 203:4 8
charles (3) 8122 123:12 24
check (1) 287:18
chemical (1) 258:16
cheong (5) 78:48 1715525 156:4
choose (1) 281:6
circumstances (1) 1198
citizen (2) 1568
cirizen (2) $15: 15$
citizens (1) $15: 15$
citizens (1) 15:15
citizenship (4) $15: 11131920$
claim (3) 165:4 166:21 35123
claimed (9) 87:17 174:10 1907
191:3358 321 359:10 360:24 362:15
claiming (9) $165: 418 \quad 166: 12$ 172:12 173:6 1915 202:14 351:22 359:21
claims (42) 87:19 $885989: 1617$ 89:2290:2416222491:6 18 91:24 1052310628 107:3 159:6 16420 165:19 166:2 167:4 170:15 171:15 172:7 173:12 187:18 259:21 261:11 261:16 1921 262:9 296:16 297:2 $814300: 1433123$ 351:10 362:4
clarification (3) 56:20 151:4 341:24
clarified (3) 159:18 241602 clarify (6) 8:12 150:17 151:14 15 151:18 22
clawed (1) 368:19
clean (1) 3535
clear (5) $752476: 314525$ 229:25 348:21
clearly (2) $343: 1622$
client (18) 91:1813202592:1 25 106:15 107:3 111:12 113:21 114:3 169:14 245:13 270:22 271:12 16 278:1
clientprivileged (1) 272:4
clients (11) $90518114: 11166: 9$ 169:14 202:18 240:6 271:18 295:7 22 349:13
clinic (1) $21: 1$
clinical (2) 129:16 17
clinician (2) 19:13 14
close (2) 156:18 3548
closely (1) 86:10
coinventors (2) 54310
collaborating (1) 162:16
collaboration (1) 129:2
collaborations (1) 16124
colleagues (1) 1398
collect (2) 204:1 207:16
collection (1) 235:11
college (1) 13:16
com (7) $1: 103: 9194: 9111819$
combination (1) 24:15
combs (4) 2:12 5:9 364:4 24
come (10) 57:4 122:8 162:8 198:1 198:6 276:1 292:22 320:11 12 320:15
comes (10) 9:9 41:14 1162325 122:1 $26621278: 9289: 5$
294:22 357:20
coming (2) 66:21 25
commencing (1) $2: 10$
comment (5) 145:12 165:1 811 237:18
commercial (1) 41:18
communicated (2) 783 79:5
communication (11) 73:23 743 74:12 75:16 $2477: 1995: 1120$ 184:35 20423
communications (19) 76:192:18 93:6 98:3 99:13 25 173:20 22 173:24 174:3 185:13 214:25 215:47271:1619351 203522 356:12
community (7) 168:3 24624 317:15 352:22 353:1 717 companies (15) 93:3 $144: 14$ 167:2 178:10 181:14 330:6 12 352:14 $17354: 33608161922$ 361:2
company (3) 42:19 115:5 181:22
compare (1) 227:6
compared (1) 198:16
compatible (1) $320: 18$
complaints (1) 171:8
complete (8) 722 17:5 18:12 108:20 180:13 20 303:15 308:5
completed (5) 18:13 21:14 127:3 133:19 316:13
completely (3) 48:7 114:18 11523
completion (1) 127:1
complex (1) 128:25
complicated (1) 33:19
complied (4) 48:2 20321 204:17 206:10
complying (1) 294:14
computer (8) 164:11 20525
33725 338:7 21 339:4 17
computers (4) 154:19 162:23
164:1 204:22
computing (3) 163:15 $21 \quad 193: 15$
conceived (3) 155:20 156619
concerned (1) 217:4
conclusion (2) 7220 73:11
conducted (4) 188:14 191:12
359:1 361:20
conducting (3) 52:13 53:3 2778
confer (2) 62:11 335:17
conference (2) 35:9 43:18
conferences (3) 43:10 133542
confidential (3) 135:2 181366
confidentiality (4) 3543 360:9 19
36023
confusion (2) 263:11 14
connection (6) $14021143: 1817$
1442 247:5
consent (3) 76:24 77:13 15
consequence (1) 117:7
consider (1) 185:18
consideration (1) 38:8
considered (1) 315:2
considering (1) 36123
consistently (1) 359:8

77:9 78:20 8024 81:7 15 86:17 86:21 23 87:1 $1588: 1$ 97:10 101:4 144:11 14659 151:20 24 152:17 153:8 154610 180:6 181:21 196:4 202:14 1921620 220:7 226:25 22821 229:14 234:21 236:3 10 242:7 243:16 244:2 251:12 255:18 257:17 258:5 924 259:14 260:18 21 264:3 17 265:4 1024 266:3 12 267:3 8 268:1 38 270:22 276:6 278:6 282:25 28325 284:13 23 286:1 12 290:24 292:8 319:4 332:22 334:9 24 343:18 20 345:17 349:11 $24351: 15$ 356:13 360:3 36222
correctly (8) 8423 98:9 99:16 145:13 208:11 274:6 319:10 335:21
correspondence (11) $812285: 9$ 85:15 182:3 81320 184:17 186:16 192:11 357:1
costs (1) 264:12
couldnt (1) 232:8
coun (1) 295:3
counsel (126) 3:1 4:1 $245: 1520$ 10:4 12:23 13:1 26:15 28:10 37:15 43:10 131518473812 47:13 49:16 50:23 60:17 61:21 62:10 1114 63:3 67 64:1 69:9 74:16 192121 75:25 8325 86:9 87:10 $117: 111823$ 132:19 133:79 $10151: 1923$ 168:23 25 169:9 173:22 17525 181:6 182:23 24 183:16 184:1 2 185:12 19 193:21 24 196:12 23 196:24 199:10 12 200:3 18 201:24 209:9 19 210:25 21169 212:1 $24214: 25215: 513$ 229:24 232:5 2388 240:10 16 243:21 247:9 248:9 270:1 2718 272:7 273:9 23 274:12 276:10 276:12 278:9 27922 280:18 23 281:4 282:10 287:17 192907 290:12 131529121 293:2 294:8 295:5 202962121 315:13 317:20 335:17 340:12 347:12 348:10 350:2 4 356:7 361:23 362:3
counsels (3) 212:9 274:19 341:23
count (4) $38: 132439: 1$ 279:13
counterclaim (1) 356:5
county (1) 364:2
couple (13) 10:12 12:4 29:7 43:9 98:18 19 195:20 21 288:9 20 320:5 349:7 354:2
course (28) 30:22 31:9 12 47:17 47:22 64:11 67:13 125:6 1922 127:14611128:4910150:11 153:6 170:23 1712 212:14 219:16 234:7 240:1 246:39 251:3
courses (8) 126:4 128:9 138:2 146:1 41521 147:1
court (7) 1:1 5:9 8:5 24 16:1 22 106:20
courtesy (1) 1621
cover (5) 80:19 192268 259:22 262:20
covered (9) 88:12 107:6 15 111:2 170:15 196:22 260:17 354:14 356:23
covers (2) 80:12 16
crappy (2) 322:13 325:5
create (1) $52: 2$
created (5) 36:19 15423 199:16 263:14 345:24
creditable (1) 269:13
credited (1) 269:14
cruz (1) $310: 17$
csr (3) 2:12 364:4 24
current (4) 6:21 2624 185:3 354:17
currently (10) 7:2 2024 26:4 41:5 124:17 140:2 1545 179:16 269:6 272:20
custody (2) 212:6 232:17
customer (5) 305:21 24 308:16
311:6 347:22
customers (1) 305:14
cut (5) 69:5 116:1 144:16 249:20 368:11
cygan (7) 25:16 $191927: 45613$
d(24) 1:172:85:1714:15 1719 17:11 232425 30:12 126:18
24523 347:4 1020213632
365:1 366:1 367:1 368:1 369:1
daily (1) 354:12
dale (1) 192:4
dallas (1) $127: 9$
damages (4) 79:12 151:5 335:12 35024
darya (3) 33:24 2424
date (33) 10:12 13:14 31:15 80:10 155:19 156:49 11 158:3 185:19 205:9 13 206:25 207:25 208:8 208:12 213:12 $24214: 719$ $21523218: 322023$ 222:23 $253513254: 216$ 268:21 30721 364:17
dated (16) 142:22 220:18 225:14 226213 229:11 230:8 1010 241:11 212426 270:17 312:25 $36420368: 17$
dates (5) 24320 342:14 348:12 348:13 358:20
dave (1) $328: 16$
david (17) 73:17 $202174: 112$ 75:16 76:2 77:13 2024 78:6 17 78:25 79:2 334
davis (3) 192223 310:4
day (1) $323: 11$
days (1) 32722
deal (1) $49: 3$
dealing (2) $255: 16$ 258:23 deals (4) 49:9 155:15 258:23 2685
decade (1) 727
december (5) 208:23 312:25 $3135318: 1623$
decide (6) 30:11 213:22 21723 27523 276:23 277:4
decided (4) 100:5 214:11 2225 decides (1) 277:25
decision (7) 142:4 215:10 218:59 218:1723 31422
declaratory (2) 117:4 11
decline (2) 270:10 271:23
deemed (1) 103:11
defendant (6) 3:12 4:3 11 105:3 117:4 329:18
defendants (40) 1:12 2:9 58:19 59:4 68:9 102:24 25 105:11 18221 183:7 202:19 2198 222:15 223:21 228:9 24 231:2 232:10 234:12 240:4 18 249:12 262:16 270:22 278:17 286:21 291:1 304:5 $3122315: 17$ 322:19 342:20 346:15 354:18 355:13 366:3 4 367:3 368:3 3693
defer (1) 95:2
define (3) 112:12 302:15 324:17
defined (1) 1132
defines (1) 305:23
definition (5) 112:6 2742021 275:1 16
definitions (1) 305:12
degree (7) 13:17 18 14:8 17:23 126:12 15 128:1
degrees (1) 126:20
delhi (2) 14:3 14
delivers (1) $321: 1$
demo (4) 132:4 156:17 158:1 4
demonstration (3) 157:18 158:12 354:1
demonstrations (1) 357:7
demonstrative (2) 156:25 157:9
department (14) 18:15 20:20
35:3 24 36:4 40:14 46:15 139:4 139:14 154:5 309:6 338:5 1024
departments (4) 37:21 39:12 24 46:18
depending (5) 86:6 112:15 181:14 198:18 288:12
depends (5) 11823 129:17 250:24 260:11 265:13
deponent (2) 6:4 4725
deposing (1) 478
deposition (49) $1: 15$ 2:8 5:7 1011
7:14 17 10:1 $5811 \quad 11: 25$ 12:4 152325 16:19 48:1 522 49:13 58:11 16 59:7 6120 64:9 68:7 125:20 150:9 159:17 197:2 15 219:14 22621 234:4 237:1 246:1 250:2 280:17 25 281:7 290:5 308:13 312:6 31521 340:24 341:17 346:18 351:13 366:7
depositions (5) 175221768 177:7 340:6 341:3
describe (1) 112:16
described (9) 102:9 1082816 108:24 2542325821 259:13 356:11
describes (3) 257:3 263:2 283:2
description (2) 157:22 252:3
designate (2) 104:6 348:7
designated (17) 11:1 58:4 64:15 67:18 68:24 69:16 169:78 10 170:4 305:7 343:4 1219 358:12 362:11 36521
designee (1) $1: 17$
destroy (1) $211: 18$
destroyed (4) 199:15 209:6 210:11 211:13
detailed (2) 314:24 316:12
details (6) 88:18 $202597280: 12$ 313:25 354:4
determine (3) 17121 203:20 215:2
develop (2) 45221553
developed (5) $41757: 1518620$ 187:10 189:17
developing (3) 154:17 155:9 11 development (2) 128:10 189:4
device (2) 255:17 257:15
devices (2) 2568 259:8
diagnostics (1) 256:9
dick (2) 194:45
didnt (21) 22:12 30:18 4323 75:11 112:25 122:8 13420 160:2 186:4 187:16 197:15 16 294:1 41318 340:19 23 341:2 341:20 34921
diego (1) 310:21
difference (7) 57:11 1919 88:21 8823 138:17 154:12
different (39) $39: 9$ 57:14 71:11 91:13 107:24 112:15 114:18 115:5 $202325116: 317$ 133:13 144:13146241558157:23 168:24 169:14 14 196:19 198:15 18 202:1 206:1 228:14 238:12 2553 256:7 25 258:12 258:17 269:11 309:19 320:21 326:10 25 327:2
differently (2) 27:5 1577
dior (5) 3359101112
direct (8) 32:17 19 210:10 211:12 $211: 172138304: 13342: 10$
directed (5) 124:24 138:13 208:1 208:9 14
directing (1) $84: 1$
direction (3) 74:19 20 364:12 directly (18) 3221 34:3 43:6 7 443 95:1 96:14 120:2 132:18 132:21 137:11 181:4 189:7 248:11 $2986337: 43387$ 359:20
director (15) 25:13 2425 26:2 46 262425 27:1 2 31:22 34:6 173:25 174:18 176:11
disagreement (1) 347:16
disbursements (3) 263:18 287:8 288:23
disclose (7) 56:16 103:4 135:15 200:12 1319 209:21
disclosed (3) 156:18 158:2 2918 disclosing (1) 13524
disclosure (11) 56:145721213 178:5 181:12 $131887252: 11$ 252:17 22
disclosures (3) 12125 122:14

124:11
discuss (8) 1025 11:59 137:10 138:5 197:16 22 274:4
discussed (5) 11:6 159:23 197:18 198:7 248:9
discussing (2) $99: 9$ 100:23
discussion (6) 67:4 100:10 15024 182:24 233:24 272:6
discussions (17) 97:19 25 98:8 25 99:6 100:16 22 131:14 138:8 143:6 14421 145:14 187:20 336:14 $1718360: 17$
disk (5) 125:13 17 245:19 22 363:1
dispute (12) 186:1 194:23 195:16 210:18 $211: 1323$ 236:16 263:19 264:16 265:2 267:1 286:20
distracting (1) $335: 18$
distribute (1) 3425
distributed (13) 254:18 264:9 265:14 $15266: 69283212845$ 284:16 289:6 36781419
distributing (1) 34923
distribution (5) 26225 278:24 282:7 $2833285: 16$
distributions (2) 264:6 267:14
district (4) 1:1 2 28:10 281:3
divided (1) 180:22
division (3) 1:2 36:15 129:5 dm (3) 225:9 $10366: 16$
doan (541) 4:12 $135: 21216: 6$ $8239: 13172111: 1112: 21$ 13:7 14:1 19:10 24 23:13 24:11 24:18 25:6 26:12 22 27:23 28:9 28:13 23 30:4 35:12 233627 37:8 1416385141822 39:7 39:22 40:8 18 41:21 42:1 1018 44:12 $234582046: 194739$ 47:16 $192348: 916$ 49:1 714 49:22 50:6 $142051: 817523$ 52:20 53:9 14 54:6 $2355: 618$ 56:1 57:10 58:1 1721 62:15 20 62:24 63:5 $915642765: 217$ 66:5 $1016673968: 1169: 914$ 70:11 1873597423 75:21 77:5 78:23 81:11 82:1 1419 83:1 820 84:4 85:10 1824 86:11 22873916 88:4 89:7 13 89:21 90:1 $9142191: 51223$ 92:4 $162393: 152494: 51420$ 96:2 22 97:5 159821 99:10 24 100:7 11 101:8 17 102:4 103:6 104:1 105:1 106:13 23 107:19 108:6 1321 109:3 15 110:1 6 110:15 $20111: 31622112: 411$ 113:3920114:2920115718 116:35 18 117:9 118:14 24 119:7 $12120: 914121313$ 122:69 22 123:21 124:4 22 125:4 $1118127: 51282130: 1$ 130:2 $1320131: 1618$ 132:6 132:15 133:15 22 134:4 1219 134:24 135:17 136:1 137:4 23 138:10 139:1 1724 140:5 16 141:817142:613143:1422 $144: 518145: 16147: 161482$ 148:19 149:3 1825 150:7 152:11 24 153:11 20 154:3 155:13 156:1 21 157:16 158:9 159:1 160:12 161:1 162:18 163:5 12 164:7 1824 165:9 15 165:24 167:5 17 168:4 1425 169:38131921 170:7 171:19 172:8 18 173:13 17461624 175:4 12 176:7 177:14 179:2 18 180:15 182:7 $1218183: 11023$ 184:12 185:14 22 186:6 23 187:14 188:3 $12189: 91623$ 190:4 1424 191:10 17 192:24 193:5 16 194:10 $18195: 51219$ 197:17 198:9 20 199:13 200:14 200:23 202:10 203:11 18 204:4 205:7 22 206:18 23 207:9 1824 208:6 1319 209:2 16 210:8 15 210:21 22 211:10 20 212:4 22 213:13 20 214:4 1420 215:19 216:1 28 218:4 20 219:4 12 221:18 222:17 223:23 227:15

227:17 228:11 229:1 230369 231:4 24 232:5 1221 233:22 234214 236:17915 237:2 12 23821020 239:1 1223 240:13 24022 243:13 2022 244:10 17 245:1 91724 246:10 247:18 249:14 250:15 251:1 16 252:23 253623 254:4 255:15 22 256:10 2225751322 258:14 259:4 18 260:2716 261:1 815 262:1 $1318264: 19265: 719$ $266716268: 11$ 269:4 271:17 $27124272: 815273: 1131624$ 274:13 24 275:4 1220 276:13 276:19 277:5 132024 278:12 278:19 279:5 9152124 280:7 280:13 1624 281:2 10 282:4 12 282:15 $1720283: 517284310$ 28421 285:17 121723 286:7 286:15 287:2 121924 288:4 289:9 21 290:2 710 291:3 19 $29125292: 5618293: 15710$ 293:16 21 294:11 1623 295:14 2965 329:21 333:4 8 349:6 351:4 352:24 353:9 1935423 $3552357: 12358: 924359617$ $3607361: 10131619$ 362:9 19 36224 365:7
doc (1) 222:23
doctorate (1) 14:10
document (92) 4875823 59:4 68:1213171273198:112325 213:4 214:16 215:23 2166917 21922 220:5 221:2716 222:11 2222024 223:1 24 224:7 1024 2258132122628 228:17

## 148:4 25 151:7 11 153:14 22

 155:3 158:13 $1622163: 42022$ 164:141516168:11 16 169:1 170:10 17 171:6 172:6 179:24 185:19 187:57 $1318188: 1618$ 189:7 191:24 24 195:4 11 197:4 201:25 203:10 204:2 205:9 206:16 2425 210:14 211:16 212:1 213:1221426781018 214:24 215:3 223:17 227:6 244:24 245:8 246:19 247:11 248:2 249:7 253:5 255:14 2597 261:14 20 264:22 268:4 19 272:14 1724 273:15 25 274:11 277:12 16 279:12 18 280:19 281:3 282:11 13 288:8 10 289:23 293:1 82942 295:24 296:2 2324 297:12 18 299:2 13 299:20 300:11 1322 306:25 307:8 309:15 $3112024314: 10$ 314:11 317:22 319:6 2232025 320:9 $17321: 19322: 13323: 48$ 323:22 327:9 111225 328:6 23 330:4 $19331: 13336: 1419$ 337:5 222223 338:1 6 339:5 339:22 344:11 $1618345: 110$ 347:17 353:24 354:15 35524 355:25 357:17 18 358:15 359:22 2325 361:1 4dotted (2) 32:17 22
double (2) 98:20 266:20
doubt (3) 227:8 231:18 313:16
doubts (1) 227:5
dougherty (1) 192:4
download (4) 338:4 6710
downloaded (4) 338:24 339:5 67
doyle (31) 71:16 73:12 15 132:25
133:1 $6155241565157: 1019$ 159:6 173:20 25 175:6 184:8 16 186:17 190:7 191:4 14 194:2 220:13 221:11 224:19 225:4 14 226:3 $14351: 23$ 354:1 356:21
dr (67) 6:10 20 7:3 13 13:11 19:45 19:1520 20:1 $191921: 42529$ 31:19 $34639541: 547: 620$ 48:10583162263:10 648 67:10 69:15 79:12 16 125:19
150:8 155:24 25 156:4 4 159:6
173:20 25 175:6 197:18 2022 219:13 221:11 232:15 2343 245:25 293:22 294:17 296:12 329:14 25 330:14 332:17
335:21 341:16 342:2 345:3
346:12 350:22 351:23 354:1 355:3 361:19 362:10
draft (2) 86:5 27621
drafted (2) 231:16 17
drafts (2) 181:15 19
drive (2) 6:22 145:4
dual (3) $15: 11 \quad 1318$
duly (1) $5: 2$
dumped (1) 145:5
duplicates (1) 235:14
duties (3) $21: 114$ 127:19
e(27) 45 223:2 2424224216 224:16 2525 226:9 10 227:13 347:4 1021 348:22 25 365:1 366:1 14161719 367:1 368:1 369:1
ear (1) 16:15
earlier (10) 196:17 229:17 252:2 260:18 290:20 339:24 352716 355:8 361:8
early (12) $18: 17$ 20:16 23:21 $71: 3$ 71:21 22732 80:3 127:12 205:12 263:21 344:1
easier (1) 346:14
east (1) $3: 17$
eastern (3) 1:2 28:10 281:2
easy (1) 139:12
edition (3) 304:20 311:4 14
edu (9) $31036111620312: 12$ 315:24 369:48
educate (4) 246:16 1923 352:22
education (12) 14:12 17:10 37:6 137:1 260:12 1415 304:19

311:4 14 313:6 317:10
effect (3) 241:23 243:14 25
effective (1) 199:4
efforts (20) 93:11 $192594: 615$ 178:1 19 210:16 212:15 246:15 246222535281213172122 35378
eight (2) 2822 29:4
either (26) 32:19 41:17 47:3 48:12 48:12 78:11 82:15 83:15 89:15 1027 158:20 160:22 161:17 176:1 232:6 $2355242: 23$ 25921 267:1 286:20 21 287:6 $2908315: 1333: 17338: 4$
electronic (4) 179:16 2125 35521
elses (1) $325: 1$
email (31) 73:24 77:3 170:8 184:7 $21421291: 7101421$ 294:18 295:11 21 301:16 303:13 14 $31220313: 6314: 6316: 715$ 317:11 318:19 325:4 9 326:17 32620 327:5 357:19 368:19 36959
emails (12) 184:9 192:14 205:1 214:18 291:20 295:36 19 356:19 25 357:13 16
embarcadero (2) 2:9 5:12 embedded (6) 71:15 872022 36771319
emotional (1) 112:10
emphasis (1) 18:7
employee (18) 22:4 19235 24:3 24:6 $15288171929: 1545: 24$ 57:4 14 136:17 147:4 155:24 1748 364:15
employees (9) 347 48:23 49:19 136:10 20 137:16 139:5 146:5 146:16
employment (2) 56:10 187:1
enable (1) 316:23
enabled (2) 337:24 338:21
encompass (1) $354: 10$
encourage (1) 325:10
encouraged (3) 325:3 1722 encouraging (1) 325:5
ends (2) 254:11 308:14
energy (1) 309:6
enforce (1) 124:24
enforceability (4) 2225 228:4 23022 233:18
enforcement (1) 270:11
enforcing (1) $125: 9$
engage (3) 209:11 210:3 17
engaged (1) 189:13
engaging (1) 63:6
engine (5) 303:4 319:16 23 320:1 3208
engines (1) 320:17
enhancer (1) 25721
enjoy (2) 30:14 31:7
enrolled (1) 187:2
ensure (2) 204:16 2095
ensured (1) 206:9
entered (8) 35:8 102:14 142:14 142:15 143:16 144:10 304:21 307:15
entering (2) $143: 1303: 24$
entire (24) $7747: 13$ 48:2 6023 62:7 63:13 64:22 65823 66:1 66:12 23 68:2 1223 178:21 223:14 242:1 285:18 2876 289:11 317:15 351:14 355:6 356:9
entities (10) 101:3 102:18 10323 131:4 133:17 144:9 21 145:9 180:10
entitled (7) 169:15 292:7 3332 368:9 13 369:5 8
entity (14) 42:5 101:10 142022 $1166118: 1619$ 130:22 131:9 13123 134:7 145:19 20
entrepreneurship (4) 37:11 23 13720 146:3
entry (2) $234: 16368: 4$
eolas (175) $1: 55: 1312: 91748: 3$ $71: 222572: 192574875: 111$ 78:13 19 79:13 $927893: 1811$ 93:19 25 94:6 15 96:17 23 97:9

97:12 2022985993151006 101:10 $141522102: 81113$ 105:34811 1519 111:8 117:5 123:19 23 124:24 12922 130:9 131:23 132:11 1722 135:23 139:18 140:1 11152223 141:2 141:10 1824 142:57917 143:3 $111524144: 8132023$ 145:9 1921 155:19 23 176:18 178:23 179:10 18059 181:46 181:20 1982220029 204:23 211:12 215:11 $21724218: 17$ 220:1 $1324221: 8223: 5$ 224:15 224:20 225:15 22226314 227:4 228:18 229:12 231:16 234:18 23521 241:4 14 244:5 244:12 19 245:4 12247314 251:620253242612 268:8 13 268:21 2697 270:13 271:1 276:6 277:15 278:5 2803 287:8 289:13 292242957 298:1 321:15 18 330:1 161822 331:3 331:6 $832: 71221$ 334:9 14 334:23 335:1 23336822 337:12 340:13 3498 352:9 366:11 367613183686
eolastx (1) 2206
eolastx0000010352 (1) 367:21
eolastx0000185746 (1) 366:11
eolastx0000185799 (1) 366:20
eolastx0000293345 (1) 367:9
eolastx 10352 (1) 232:25
eolastx 10359 (1) 233:8
eolastx 10380 (1) $233: 1$
eolastx185755 (1) 221:16
eolastx 185778 (1) 242:11
eolastx293345 (1) $229 \cdot 9$ eolastx293353 (1) 230:13 equal (1) 2865
equals (1) $263: 24$
equivalent (1) 40:13
eric (1) 194:7
erik (4) 40:24 41:1 12
esq (6) $3514154: 51314$ et (9) $1: 111463$ 234:19 255:3 271:2 354:2 355:17 356:13 368:7
ethical (1) 294:14
evaluation (3) 31424 315:2 316:12
event (2) 242:22 333:17
events (1) $353: 24$
eventually (3) 82:4 123:1 133:14
everybody (2) 146:4 280:22
everybodys (1) 346:13
everyday (2) 16:12 41:9
evidence (6) 2437 317:22 3342 335:11 336:9 340:14
evolved (1) 176:25
exact (30) 10:12 13:14 31:15 72:15 15 80:1095:11 109:13 17 110:4 14 113:18 114:17 121:11 124:10 156:9 163:20 185:19 198:14 205:9 1320625 208:12 213:12 $24214: 7192182$ 264:22
exactly (19) 22:15 28:21 29:4 5824 60:8 68:13 78:5 91:4 146:13 1562 162:2 195:4 11 215:3 218:9 261:6 288:8 319:6 345:10
examination (9) 65 296:10 329:12 35020 355:1 359:2 361:173628365:5
examiner (1) 43:19
example (8) 403 129:4 138:4 163:7 14 256:16 260:14 356:4 excellent (1) 47:16
exception (1) 270:13
excerpts (2) 348:2 349:1
exchange (1) 1847
exclusive (9) 92:893:1 8 140:10 220:22 224:14 3316 332:20 352:9
exclusively (7) 927 95:2 97:13 297:23 2987 329:25 331:3 excuse (3) 260:5 291:23 292:12
executed (1) 181:17
exemployee (1) 142:2
exercise (1) 217:8
exhibit (113) 58:19 59:3 111216 67:16 68:69 2020 69:1 23 175:15 18 219:8 20 220:5 222:14 151824223891620 223:21 224:8 225:9 22 226:20 227:14 228:9 12161724 229:2 230:8 1015 231:2 5 232:10 13 232:22 234:10 12 240:23 25 241:26 1720 242:4 1213 243:24 245:11 248:4 5 249:12 249:15 250:1 11251242595 262:15 16 263:23 269:15 16 276:20 278:14 1720 281:13 23 282:25 291:1 530459 308:13 308:14 311:16 16 312:2 6 315:17 21 332:17 342:8 346:12 $346: 1520366: 479131519$ 367:5 $1116368: 49131619$ 368:21 369:4711
exhibits (15) 70:2 $2307235: 19$ 236:2 101720 347:4 10 348:22 348:25 366:2 $3672368: 23692$ exist (1) $361: 3$
existed (2) 92:14 93:4
exit (1) 18:16
expect (5) 50:11 174:15 282:7
294:11 352:2
expected (1) 48:23
expenses (3) 265:10 2662 281:20
experience (2) 17025 171:4
experimental (1) $163: 14$
experiments (1) 1820
expert (3) 7825 79:13 350:24
expertise (3) 1652325 351:1 explain (3) 76:12 138:24 274:10
explained (1) 80:23
exploring (1) $30: 24$
extended (1) 142:14
extension (1) 3022
extent (15) 9:9 61:18 107:21
116:22 24 133:6 $2136246: 13$ 272:3 276:9 278:8 280:9 287:23 295:11 350:2
extra (2) 98:18 19
eyes (3) 103:12 1047 365:21
f(5) 347:4 10213482225
facilitate (1) 41:19
facility (3) 163:15 21 193:15
fact (2) 332:10 349:20
faculties (1) 147:12
faculty (16) 20:7 9 37:7 41:8 13 42:13 46:7 48:19 137:9 305:15 $314: 631624317: 16253185$ 318:17
fair (70) 40:5 42:6 51:18 53:11 60:15 69:22 92:20 95:9 976 107:9 110212225 112:7 115:9 116:91233124:1 14 127:22 24 131:20 24 132:2 1214 134:13 134:15 135:9 $20143: 111478$ 147:24 148:1 616 153:17 25 155:9 162:12 168:10 15 171:10 184:13 187:1 194:14 214:12 239:3 62422 247:14 249:10 24 254:17 256:25 258:20 26122 262:2 1012 274:1 2763 277:17 291:15 320:25 330:25 33523 336:25 337:5
fall (3) $1588256: 1516$
familiar (17) 12:13 15 13:3 28:9 60:22 70:5 1014 142:24 163:18 191:25 231:12 235:7 262:21 278:22 311:20 328:24

## familiarize (1) 1967

far (9) 19:22 23:23 44:2 52:10 129:13 181:14 208:17 26024 336:22
farallon (8) 98813 100:12 1416 101:1 $1027360: 11$
faralon (1) 98:16
farming (1) $261: 17$
fashion (1) 276:2
february (3) 9:2 226:3 314:3
feel (2) 1820 171:14
ees (1) 263:23
fellow (1) 46:24
fellows (2) 4924 139:10
fellowship (11) 17:20 21 18:2 58 18:12 1619 19:2 23:25 161:16

## fellowships (1) 50:13

felt (1) 204:2
fetal (1) 157:22
feuerborn (4) 220:14 224:19
225:15 226:4
field (18) 139:9 154:19 $155: 78$
257:41515162585913
25923 260:4 $1213261: 1217$ 261:18
figure (7) 11:13 26:13 2720 28:15 159:19 193:17 214:18
file (37) 117:4 12125 141:14
$14424145: 123815722$ 1772 178:23 179:21 180:1 4 $18131011182: 149184: 36$ 186:17 196:19 321:14 18 337:12 351:14 352:3 3556711 35521 356:9 101516
filed (10) 83:10 12 117:10 202:4 202:18 330:17 331:8 33266 3565
files (32) $61698699: 161193$ 156:16 173:2 175:23 177:18 21 17821 179:4 $12182: 151719$ $183612185: 5196: 11161720$ 19622 199:6 11 204:21 21 207:11 210:10 236:4 12 355:9
filing (23) 93:12 $2194: 171624$ 95:15 96:10 19 97:1 118:11 20 141311 143:18 144:2 157:11 29720 298:3 1823 299:49
follow (2) 109:5 362:10
followed (1) 314:23
following (3) 103:10 226:8 318:15 follows (2) 5:2 22424
followup (2) 350233553
followups (1) $354: 23$
foregoing (3) 364:6 812

## forget (2) 16:12 13

form (516) 1220 13:6 19:7 21 24:10 $1326: 928: 51120303$ 35:22 25365 37:12 38:2 406 40:16 41:12 $2542: 71744: 911$ 44:19 $45217192246: 5816$ 46:22 $47548: 1114202124$ 49:45 11122021 50:3 4 51:7 51:12142152:815185356 53:12 1720 54:16 1921 55:2 4 55:9 $131420212356: 4579$ 56:15 $2357: 12338111213$ 57:22 58:14 62:9 63:14 65:1 15 66:4 815 67:1 68:13 70:8 15 73:3 $775: 1877: 1782181: 820$ 82:12 $172483: 6182385716$ 85:23 86220 87:2 88:3 89:1 5 89:11 $192490: 791: 292: 1121$ 93:1422943111895:24 96:20 97211 99:4 22 100:1 101:5 1625 106:10 22 107:16 108:10 109:11 23 110:3 1123 111:13 19 112:1 821 113:7 17 113:24 114:6 $15115: 216$ 116:13 118:13 21 119:5 10 120:6 $13121: 1922123: 17$ 124:2 19 125:1 12624 127:25 130:7 $1823131: 312132: 313$ 133:20 134:1 101622 135:10 135:21 136:18 24 137:22 138:14 18 139:6 22 140:3 14 141:5 $12142: 111143: 1219$ 144:3 145:11 146:17 147:922 147:25 148:9 $1723149: 115$ 152:89 153291718 154:1 155:10 22 156:14 157:13 158:6 160:9 2324 161:10 12 162:13 163:3916431322165620 166:23 167:14 23 168:12 20 172:4 173:9 174:4 1322 175:3 175:9 176:5 177:12 178:25 179:11 180:11 182:5 101622 183:9 21 184:11 185:11 17 186:3 21 187:11 188:1 9 189:5 189:19 190:2921 191715 192:21 193:3 $10194: 1519529$ 195:17 197:13 25 198:12 199:7 200:11 202:6 20371422 204:18 205:17 206:14 21 207:6 207:13 21 208:2 101824 209:14 210:5 1219 211:14 24 212:18 213:10 $17214: 113$ 215:16 18 217:25 218:18 25 228:22 $231: 21$ 232:2 1923523 236:5 1325 237:10 21 238:6 23 239:7 19 240:8 19 243:11 17 244:7 1422 245:6 15 246:8 247:15 250:12 22 251:14 252:19 253:2 25 255:12 19 256:4 20 257:1 1018 258:10 25 259:15 24 260:22 261:4 1323 262:11 264:18 265:5 12 266:4 266:13 268:10 24 271:13 21 272:2 22 273:6 20 274:9 275:2 275:9 17 276:7 16 277:1 1822 278:7 279:1 282:39 1217 283:1 15 284:28 1825 285:5 285:11 142028621423 287:9 288:2 289:1 1625 295:9 296:18 296:25 297:4 $1016298: 1015$ 299:17 25 300:8 301:3 113026 302:19 304:1 305:4 19 306:1 7 306:19 24 307:5 1724 308:10 308:17 22 309:10 21 310:8 13 310:18 $22311: 1017312: 1722$ 313:1818314:71531539 316:4 17 317:37 1218 318:2 8 318:20 24 319:5 14 322:17 324:10 $1922325: 111924$ 326:5 16 327:8 328311 330:3 331:1 12 332:13 333:1 1 334:10 336:5 11 337:1 338:12 339:1 21

340:15 343:2 344:10 22 345:6
345:18 346:5 349:25 35224 353:9 19 357:9 358:5 359:4 14 360:4 361:9 362:17
formal (2) 126:11 12723 formally (1) 1423
format (1) 345:25
formed (1) 35:15
former (3) 37:21 46:11 359:9
formerly (2) $283: 823$
forms (4) 47:2 4 56:8 57:20
forth (1) $364: 7$
forward (4) 63:20 100:5 1387 20425
forwarded (1) 173:21
found (1) 30:21
founder (1) $328: 18$
four (9) 15:9 32:29345366 37:21 119:17 121:4 168:24

## fourth (1) 3724

fr (1) 4:9
francisco (54) 2:10 5:12 6:24 7:11 13:13 18:17 19:12 16 21:2 16 22:21 23:20 242923 32:6 34:8 35:4 203720 39:14 40:11 41:4 62:3 6322 65:4 22 66:1 120:5 1237 127:20 154:24 1742 200:10 253:20 254:7 1117 263:15 267:6 268:7 283:13 22 284517 285:3 10 287:7 288:17 288:19 24289345 364:2
frank (3) 19:4 20:19 21
free (2) $146: 18326: 18$
front (4) 85 106:21 239:17 2556
fruition (1) 1012
full (9) 6:7 20:8 22:2 28:1 298 31:17 32:13 179:4 355:20
fullime (2) 24:6 29:14
fully (2) $487159: 9$
fun (2) $295: 721$
funding (1) 52:25
funds (2) 178:8 268:13
funnier (4) 291:22 22 292:20 21 further (7) 137:20 350:11 355:1 361:17 362:8 364:12 14

G
gather (1) 206:19
gathered (2) 205:14 207:19
gayle (4) $355: 17$ 10:16 11:19
general (21) $52011: 4730: 14$ 31:4 49:1672:1893 2 138:12 147:19 197:14 209:9 215:13 237:4 264:24 265:1 271:8 276:12 290:12 15 295:4
generally (2) $340: 3$ 342:3
generated (2) 178:7 193:14
gentleman (1) 351:5
getting (6) $29730: 15$ 50:12 206:5 28122 324:13
give (26) 620 7:21 15:19 16:6 47:10 $111551: 458: 17$ 64:21 76:24 86:67 127:3 1297 13420 147:14 148:14 180:24 2327 291:17 304:23 330:14 23 331:9 361:6
given (9) $113522114: 412$ 140:11 22 287:17 353:4 362:20
giving (5) 17:6 $114: 23$ 116:7 20358
gklein (1) $3: 9$
gmail (21) 303:12 $19314: 63186$ $3187321: 5111721324: 914$ 325310 326:2 31314 327:4 4 32756
go (40) 13:16 15:1622 1821 22:1 30:11 62:16 64:293:11 1119 93:25 94:6 $1512225139: 8$ 144:13 147:4 $12148: 8$ 183:11 212:16 215:1 223:12 23322 23723 240:24 254:19 20 260:9 279:9 280:13 2324 281:6 304:17 305:1 1 329:7 335:19 34921
goes (19) 3424 37:14 136:23 224:4 254:14 17 255:2 326623 26624 267:17 21 280:10 289:2 2898 292:19 304:22 3143

338:10
goffney (1) 7920
going (64) 7:20 8:9 9:8 20 12:19 $13515: 2516: 124: 926816$ 31:4 33:7 37:4 38:1 224393 39:17 42:3 63:20 64:3 69:5 18 75:17 76:7 79:9 87:10 106:19 106:20 109:4 116:12 133:4 138:4 141:11 14151682425 174:8 179:24 189:18 206:4 215:25 2165 219:6 235:10 237:18 24 250:1 272:13 273:4 277:14 279:132826292:29 10 292:11 13 342:10 343:1 346:11 349:16
good (20) 5:5 31:1 $522287: 57$ 107:10 137:13 14925 162:22 170:25 171:4 219:2 45 320:16 325:4 $8329: 1415$ 350:22
google (92) 3:12 5:14 25 105:15 108:15 109:9 111:24 112:19 113:4 133:23 182:13 218:23 244:20 296:17 297322 298:5 298:20 25 299:15 23 300:19 301:29 103025131823 303:2 69172425 304:10 19 304:22 24 306:5 15 307:16 308:8 $311: 34561314$ 312:20 313:5 316:6 317:10 3186 319:3 319:12 2025 320:7 32124 322:2 5212325 323:1 2714 323:18 2425 324:157914 325:3791517182223 326:6 326:7 2021 368:21 36959
googles (2) 134:6 18223
gov (1) 309:9
grab (2) $332: 17342: 8$
grad (1) 16224
graduate (26) 14:5 50:11 52:12 $5321954: 391555: 1 \quad 152: 513$ 153:15 159:19 160:4 1921 161:311141522162:378 163:23 164:10
grandmother (1) 41:10
grant (4) 161:16 17 162:1 11 granting (3) 93:1 $8352: 8$ grants (1) 16125 graphic (1) 157:21
gray (3) 2:9 3:13 35:8
greater (2) 110:17 151:7
gross (2) 2642 265:10
grossing (2) $2508368: 9$
group (15) 36:10 12142324
$37242598: 9101299: 12$
101:1 119:18 178:14 360:12 groups (3) 99:21 133:17 139:20 guard (1) 99:19
guess (9) 39:3 65:13 129:19 136:13 148:18 185:13 211:7 292:23 348:10
guys (1) 227:10
h(3) 198:4 15 200:5
ha (3) 292:24 2424
hadnt (2) 32277
half (1) 20:14
haltom (1) 4:12
haltomdoan (2) 4:18 19
hand (1) $346: 11$
handing (15) 68:5 222:13 223:19
228:12 2292 231:5 232:13
234:10 249:15 262:14 278:20
291:4 304:8 312:5 315:20
handle (4) 41:16 22 42:12 128:24
handled (3) 137:2 $3385341: 11$
handles (2) 46:12 15
handling (5) 81:23 123:20 2424 341:9
hao (5) 290:11 11 291:6 293617

## happen (1) 277:14

happened (6) 99:25 119:9 11
180:25 $2482315: 12$
happening (1) 77:17
happy (2) 58:17 131:16
hard (1) $145: 4$
hardcopy (1) 204:21
harm (10) 111:20 112:36 1010

112:10 1214171132
harmed (3) 111:1724 112:19 harmed (4) 134:142167279:2 359:7
hauling (1) 118:11
havent (6) 79:10 132:1 261:21
321:23 337:7 355:11
head (2) 15:5 16925
heading (1) $318: 12$
health (3) 258:2 913
healthrelated (1) 258:4
hear (2) 8:19 32721
heard (15) 9:1971 22 72:24
163:16 194:12 22 195:15
315:13 323:22 327:15 328:16
328:21 25 337:7 351:4
hearing (2) $168: 9$ 205:25
heat (3) 18:9 10 21:12
held (4) 5:11 67:4 227:1 233:24
help (3) 270:4 271:5 292:24
helped (2) 56:21 276:21
helping (1) $27: 13$
hereto (1) $347: 4$
hes (8) 19:8 26:20 24 27:1 $241: 3$
123:20 292:23
hesitate (1) 61:1
hey (2) 957 171:25
hibdon (2) 4:23 5:8
hightech (1) 15422
hilarity (2) 292:7 368:19
hill (1) 6:22
hired (2) 203:25 2048
hiring (1) $46: 18$
history (1) $187: 1$
hisulon (1) $306: 25$
hold (20) 126:20 161:6 199:19 200:1 202425 201:49 19 202:1 323 203:6 20 204:16 206:9 2085152098
holder (6) 117:12 118:18 139:20 202:5 $12359: 10$
holds (1) $137: 9$
hole (1) 249:21
hope (1) 293:18
host (2) 872022
hosted (1) 3115
hotline (2) 169:1 2
hotmail (1) $321: 19$
hours (1) 10:24
huge (2) 129:18 307:9
huhuh (2) 16713
human (2) $256: 16$ 258:2
hundred (1) 288:9
hundreds (1) 106:16
hypermedia (4) 2522 367:8 14 367:20
ias (1) 283:23
id (6) 28:12 38:13 65:12 219:3 346:21 348:10
idea (5) 117:14 138:5 187:17 319:21 343:10
identical (3) 133:18 134:8 346:19
identification (22) 58:20 68:10 219:9 222:16 22322 228:10 25 231:3 232:11 234:13 249:13 262:17 278:18 291:2 304:6 312:3 315:18 346:16 366:2 367:2 3682 369:2
identified (5) 200:3 228:17 251:4 280:5 352:18
identify (3) 5:15 1386 178:10 iii (3) 216:3 1314
ill (18) 16:14 20 26:17 3824 39:1 58:17 117:1 269:18 271:15 272:4 273:11 $2768278: 10$ 287:18 329:17 337:18 35024

## illinois (1) 130:10

im (222) 7:5 20 8:9 9:8 19 11:13 12:6 19 13:5 14722 15:25 212 23:14 24:9 2681216 27:20 28:15 33:7 35210 37:4 38:1 2 38:25 39:3 17 40:20 50:22 53:8 58:15 60:12 63:6 620 66:1 25 67:25 68:5 16 69:5 $1870: 9717$ 72:16 75:17 $2476: 179: 910$ 80:22 84:5 85:12 25 86:3 8873

87:4 66 90:15 91:14 92:22 96:13 98:11 100:9 101:18 102:2 109:4 113:8 $1182119: 62025$ 123:18 19 128:18 129:24 133:4 13923 145:3725 146:20 147:1 $1473318148: 511152: 1020$ 1562 157:6 159:9 19 163:18 164:11 165:1 25 166:20 168:1 5 $16857925169: 111315$ 170:17 171:23 179:23 183:8 $186724188: 171922189618$ 19025 192:2 193:17 1957 197:10 199:10 202:8 205:12 25 20525 212:24 215:23 216:35 216:12 222:13 223:19 224:5 5 2303 231:16 235:10 2367 238:12 2423921 240:12 242:17 244:9 246:13 25 248:1 24822 249:15 262:7 14 265:20 26521 266:18 18 271:18 19 272:13 1725 275:3 278:20 279:15 280:22 282:6 286:10 25 2897 291:4 25 292:2991113 293:137141415181922 2962 298:22 299:2 300:19 302:13 304:8 307:7 311:20 3125 315:11 20 320:22 321:10 323:9 15 326:10 327:3 32821 32824 329:16 333:15 340:25 342:10 343:1 25 344:17 346:11 349:16 352:13 358:14
implications (2) 116:16 19
implying (1) 294:13
important (3) 16:5 17720 178:20
impossible (1) 169:18
inappropriate (2) 211:2 3
include (2) 235:20 335:11
included (2) 885 102:1

339:20 342:17 343:15 16
inherited (4) 71:3 19802 262:5 initially (4) 27:17 46:23 159:24 341:9
injunction (22) 270:12 271:11 272:1 $1020273: 519274: 38$ 274:20 $2125275: 161523$ 276:15 242527725 349:9 21
innovati (1) 283:7
innovation (8) 34:14 1821 35:2 35:13 $17283: 712$
input (4) 86:7715 129:8
instance (2) 248:23 2497
instances (2) 15922 248:10
institute (3) 132023 14:13
institution (8) 42:4 16130516 132:10 162:22 23 278:6
institutions (2) 133:13 17
instruct (16) 9:9 117:1 2725
273:11 $13276: 8278: 102922$ 292:10 $13294: 61920295: 10$ 295:12 350:4
instruction (1) 272:12
intellectual (4) 115:22 137:1 10 138:8
intend (2) 271:25 272:9
intending (1) 347:18
interact (3) 36:21 129:3 4
interacted (1) 44:4
interactive (10) 71:15 872023 89:4 46 167:3 172:11 300:12 300:21
interactivity (1) 172:6
interest (1) 98:1
interested (6) 9957 100:19 178:10 352:18 364:15
interesting (1) 3021
interim (1) 2524
intern (7) 27:162837161822 126:3
internet (15) 95:23 252:5 255:11 256:3 72578 258:20 24 259:13 275:8 277:9 312:8 339:17 18 351:2
internship (10) 21:18 1925 22:1 24:15 212523 27:8 1021
internships (2) 27:17 3020
interrupt (1) 293:2
introduce (1) 147:13
invalid (1) 248:21
invent (2) 174:10 359:11
invented (15) 159:7 173:7 187:6 6 187:9 $151718188: 15$ 190:7 191:4 13 193:22 351:22 362:15
invention (52) 41:14 55:8 1220 56:615162557:12 $13137: 15$ 137:17 20 138:6 20 139:15 147:6 148:15 14955 152:16 21 153:23 155:20 156:7 12 157:19 159:6 160:22 161:13 163:1 164:12 178:79 1888 189:3 191:21 252:5 2532124 254:11 255:10 256:3 1214 257:4 289:4 358:3 21 359:11 360:25 362:15
inventions (17) 45:23 54:17 56:11 57:6 138:9 149:14 22 162:8 163:25 250:8 10 255:5 $9256: 25$ 258:18 283:24 368:9
inventor (6) 71:1678 379 : 117:12 264:6 267:18
inventors (16) 73:18 21 76:9 77:16 198:3 209:19 217:14 254:20 255:2 264:10 265:2 16 265:23 266:10 23 267:2
investigating (1) $30: 17$
investigators (2) 139:10 12
invitation (1) 303:17
involve (1) 118:10
involved (10) 50:9 51:25 81:18 82:15 8824 129:1 151:2 152:21 246:13 248:11
involving (1) 184:17
ip (2) 11224 129:8
iphone (3) 303:9 321:25 3223
ipo (1) 138:5
ipos (1) $146: 3$
irvine (1) 3107
isnt (2) 218:13 340:12
issue (4) 71:8 $3487349: 935223$
issued (13) 8066798161316 84:21 23 85:2 145:15 18 201:9 issues (4) 114:19 115:21 23 347:13
ita (10) 34:19 24 35:1 11 36:19 21 37:19 154:5 610
ive (47) $6: 1837: 1743: 1144: 22$ 52:4 5824 59:3 68:5 70:7 16 73:23 80:17 98:6 126:2 4 128:9 128:13 13 173:11 182:6 11 19324 222:13 223:19 228:12 2292 231:5 232:13 22 234:10 249:15 250:19 259:9 262:4 14 26222 291:4 292:3 1429525 3048 320:23 323:22 344:1 345:11 $12347: 9$
ivory (1) 30:23
j(1) 104:3
james (1) 233:6
january (7) 1:18 2:11 5:6 226:5
$3142365: 2368: 17$
jdoan (1) 4:18
jennifer (6) 4:135 21 25:16 27:4 27:13 58:15
jennifers (1) $25: 18$
jim (3) 132:25 133:1 235:5
job (8) 1:23 17:18 27:14 2920 45:11 12 128:14 337:21
joe (1) 147:19
joel (13) 25:2 21 31:19 22 40:22 1975811 204:24 205:2 229:12 22920 234:24
john (3) 10:16 79:22 197:3
join (2) 332:7 349:20
joined (10) 222 27:1 29:3 $846: 24$
31937 332:10 344:14 345:16
joining (1) 147:12
josh (1) 5:23
joshua (1) 4:14
jthane (1) 4:19
judge (2) 86 129:15
judgment (2) $117: 511$
july (2) $221 \cdot 12225: 4$
july (2) 221:12 225:4
june (10) 201:23 208:12 15 213:4 221:11 225:4 307:22 308:9 34458
jury (3) 8:6 106:21 3617
$\frac{K}{\text { keep (6) 18:20 28:11 } 16 \text { 179:16 }}$ 282:12 15
kelli (4) $2: 11$ 5:9 364:4 24
key (2) 256:11 13
kicks (1) 161:18
kill (1) 16:22
kind (1) 136:22
kirsch (1) 197:19
kirschbaum (19) 2525721 31:19 22 34:6 40:22 197:5 678 197:11 2022 204:24 229:12 20 23424
kirschbaums (2) 25:9 205:2
kirschman (1) 1973
klein (602) 3:5 5:17 $178: 19229: 8$ 10:16 11:5 9 12:19 13:5 21 19:7 19:21 23:10 24:9 13253 26:8 26:16 27:22 28:5 20303 35:22 35:25 36:5 37:4 12 38:1 1217 38:20 39:5 17 40:6 16 41:12 25 42:7 17 44:9 19 45:2 17 46:16 47:7 $142148: 4142149512$ 49:21 50:481751:71421 52:16 18 53:6 1224 54:19 55:4 55:14 23 57:8 22 58:14 62:9 18 62:22 63:38142565:1 15 66:4 $62: 2263: 38: 169: 51370: 815$
$66: 815$ $66: 81567: 169: 51370: 815$
$73: 3774: 1775: 1777: 17821$ $73: 3774: 1775: 1777: 17821$
$81: 82082: 1217248361823$ $81: 82082: 1217248361823$
$83: 2585: 7162386: 2182025$ 87:261388389:1 111924 90:7 $111991: 292192: 21121$ 93:142294:3911189524 96:20 97:2 11 98:1899:4 22 $96: 2097: 21198: 1899: 422$
$100: 19$ 101:5 1625 104:6 106:10 22 107:16 108:4 1018 10825 109:1123 110:3 1118

110:23 111:13 19 112:1 821 113:71724114:615115216 116:1 $1322118: 1321119: 510$ 120:6 $13121: 1922$ 122:2 820 123:17 124219 125:1 126:24 127:25 13071823131312 132:313133:4 $20134: 11016$ 134:22 135:10 2113624 137:22 25 138:18 139622 140:314141512142:1 11 143:12 $19144: 316145: 11$ 147:9 $25148: 17149: 115150: 2$ 152:9 $19153: 918$ 154:1 155:10 155:22 156:14 157:13 158:6 25 160:9 24 162:13 $16339164: 3$ 164:1322 165:6 1320 166:23 167:1423 168:12 20 169:2 610 169:18 $1703171: 17172: 315$ 173:9 174:4 1322 175:39 176:5 177:12 178:25 179:11 180:11 $1825101622183: 921$ 184:11 185:11 17186321 187:11 188:19189:5 1518 190:2921 $191715192: 21$ 193:3 $10194: 915195: 2917$ 197:1325 198:12 1997 200:11 200:13 16 202:6 20371422 204:18 205:17 206:14 212076 207:13 21 208:2 101824 209:1421051219211:1 1424 212:18 213:10 $17214: 11316$ 215:16 $25216: 521725$ 218:18 218:25 2192 221:17 227:14 228:22 22924 230:4 231:21 232:2 192352323651325 237:10 21 238:6 1923 239:7 19 240:8 19 243:11 1724471422 245:6 152468 247:15 250:12 250:22 251:14 252:19 253:2 22 253:25 255:12 19 256:4 20 257:1 $1018258: 1025$ 259:15 259:24 2605922 261:4 1323 262:11 264:18 265512 266:4 266:13 268:10 24 271:13 21 272:2 1122 273:6 1020 274:9 274:22 $2752917276: 716$ 277:1 101822 278:7 279:1 12 279:18 2325 280:8 1518 281:1 281:5 282:39 131619 283:1 283:15 284281825285511 285:14 20 286:2 1423 287:9 288:2 289:1 $1625291: 1723$ 292:191225 293:36812 294:6 1319 295:9 296:18 25 297:4 $1016298: 1015$ 299:17 299:25 $3008301: 31118$ 302:6 302:14 19 304:1 305:4 19 306:1 306:7 1924 307:5 1724 308:3 308:5 101722 309:10 21 310:8 310:13 $1822311: 1017312: 17$ 312:22 313:1 $818314: 715$ $315: 39316: 417317: 371218$ 317:20 318282024319514 322:17 324:10 1922 325:11 19 325:24 3265163278 328:3 11 328:17330 $3331: 11219332: 1$ 332:13 333:11 334:10 335:16 336:5 11 337:1 338:12 339:1 12 339:21 340:15 341:15 343:1 20 344:10 22 345:6 183465 347:12 17 348:14 21 349:25 350:13 21 353:3 1622 354:21 355:5 357:9 358:5 23 359:4 14 360:4 361:59 $1518362: 17$ 365:10
knew (9) 76:12 112:23 135:15 160:15 185:13 245:16 306:23 322:13 3306
know (455) 9515 13:9 16:11 176 1922 20:25 22:11 24:19 2625 28:10 39:10 13 40:9 1522 4421 47:3 48:10 15 49:8 18 508152324255131016 52:10 $151953511151954: 2$ 54:9 $142055: 151163: 1720$ 64:15 65:7 10122024 66:11 66:12 13 69:19 71:5 76:9 11 77:16 $2380: 91012162223$ 84:1187:178859121819

89:15 1722 90:2 1522 91:15 92:12 $151893: 3462394: 412$ 94:131995:11 2022963814 96:1721 $2399: 823$ 100:18 101:13 102:1111131719 103:37791043105:616 107:10 108:5 1219 109:1 813 109:17 19221102481319 110:21 $24111: 515112: 9113: 1$ 113:4131821251143710 114:13 117:10 $14119: 1725$ 120:2 23 121:1114 122:1 1246 124:10 $14211253127: 21305$ 130:8 12151921 131:49 17 133:111623134271125 135:2 $615136: 4139: 15140: 1$ 141:23 143:15 24 144:20 2022 $145: 41923148: 42125149: 17$ 149:24 151:68 $11153: 141922$ 154:2 155:18 156:11 157:17 158:3 $1113160: 2125$ 161:14 161:15 $20162: 2417163: 810$ 163:20 $2022164615165: 311$ 165:12141716625 167:1311 167:16 $25168: 1116169: 20$ 170:6 18 172:6 1017 173:1 6 174:5 175:14 18121 182:23 185:8 $192025186: 591014$ 186:1925 187:257131618 187:22 188:2 111618 190:3 11 190:20 23 191:9 162424 192:7 192:10 195:4 11 197:4 199:9 14 200:8 20334121624 204:15 206:24 207:2 810192325 208:8 121720 209:3 210:7 211:5 18 212:1 $1024213: 1214$ 213:19 214:567810242153 218:277819 219:1 234:3 235:14 240:15 21 244:16 24 245:8 247891117248218 248:23 249:1711 2535 259:7 259:10 261:2 2642022 268:4 272:14 161718192425 273:4 273:15 182527431120 275:11 19 276:14 18 280:19 281:14 282:1 287:16 25 288:10 293:12 294:8 29623242976 297:12 18 299:2 81320 300:3 300:11 1322301614 304:4 307:8 $30820309: 121531121$ 311:24 315:6814319622 320:69 17 322:13 19 323:22 327:9 $1112328: 23$ 330:4 912 331:1623 336:2 181922 337:5 337:23 338:1 21633951022 340:11 17 342:23 343:6 345:10 353:12 152425 357:17 358:15 358:22 359:22 2325 360:1 622 361:243622511
knowing (1) 30:14
knowledge (19) 9:9 26:18 $61: 3$
61:15 62:25 96:7 116 25 131:22
154:13 $15155: 6174: 119$
301:21 334:17 18 342:13 343:15 348:17
known (4) 95:10 19 271:11 283:8 knows (3) 26:14 135:19 174:9 krueger (5) 81:22 123:12 1524 362:3

I (2) 98:20 158:23
lab (6) $21: 5$ 193:1 309:6 142025 labeled (1) 263:13
laboratories (5) 20025 201:20 207:4 212:17309 3
laboratory (2) 200:22 212:21
labs (3) 40:12 $2133309: 1$
lack (1) 179:17
Iadies (1) 100:9
language (1) 16:12
large (1) $35: 6$
larger (3) 35:18 12824 137:5 largest (2) 129:10 12 Iauren (3) 3:14 19 5:25 law (2) 8524
lawrence (4) 79:19 309:2 1319 lawsuit (55) 71:825 90:179321

94:8 95:15 105:4 106:9 15 1117 117:6 118:11 119:4 133:7 $1338141: 15143: 181442$ $1516166: 213185: 23$ 202:3 202:17 234:18 246:7 11 248:20 270242529323 294:1 418
29720 298:3 1823 299:4 9
330:17 331:9 342:20 354:17 18 355:12 356:1 515 359:13 2024 35925 368:5
lawsuits (6) 80:24 141:4 11 268:22 26823 269:1
lawyer (3) 9:1074:17 274:16

## lawyers (1) 12221

lbl (1) 309:9
leading (1) 35224
learn (11) $31: 3670: 2480: 4$ 139:7 1763 185:16 193:21 353:1 14 360:17
learned (6) 130:9 14424 183:19 18324 353:18 354:4
earning (1) 99:7
learns (2) 242:24 33320
leaving (1) 3023
led (1) 15521
leeway (1) 26:13
left (4) $21: 15$ 23:21 35722
legal (4) 30:1 $6335: 724$
letter (2) 226:9 368:16
letting (3) 326:20 22 353:11
leuhrmann (5) 158:13 2515935 341:10
leur (1) $158: 13$
li (1) 180:8
library (6) 154:16 155:7 200:4 $348319349: 1$
license (86) 44:21 45:47747 76:7 1623 77:8 $1478: 1218$ 92:6892593:18122094:17 94:1697799:9 100:4 161923
list (5) 92:14 303:15 330:11 342:10 $361: 1$
listed (3) 60:1 311:16 312:19
listened (2) 43:22 44:6
lists (3) 57:14 2508 308:16
litigation (50) 5:10 47:5 1324
48:12 7220 194:13 198:22
199:6 $171925200: 92024$
201:48 111719 202:1 32036 203:9 20 204:16 206:6 9 208:4 208:16 209:7 $8210: 11$ 212:3
213:22 214:11 217:24 218:17
232:18 238:5 17 239:5 162405
240:18 264:21 287:15 29021
319:3 342:18
little (15) 91:15 10723 112:17
116:3 127:3 128:24 25 136:14 157:7 167:18 1842 206:1
238:11 346:14 347:8
lium (5) 40:24 25 41:1 12
livermore (2) 309:2 13
living (1) $41: 11$
Ilp (3) 2:9 3:4 13
load (1) 128:24
located (2) 177:3 183:6
lodge (1) 44:10
$\log (1) 327: 4$
long (20) 10:23 1120 13:11 18:4 20:1 1 22:1 266 27:21 28:18 18 127:11 199:2 241:13 261:2 303:19 319:25 321:11 3222 330:11 345:11
longer (2) 198:17 2757
look (38) 867 157:24 160:10 169:11 192:25 197:15 1985 203:9 209:11 $2103214: 17$ 220:49221 6 227:13 229:23 230:13 233:10 242:4 9 248:3 251:23 253:4 255523 261:19 267:13 268:5 269:15 270:6 280:1 283:11 30522 313:21 318:11 347:11 18 357:6
looked (29) 12:11 59:6 70:7 1316 80:1722 84:10 12 134:14 1438 173:23 177:22 192:23 193:13 196:11 $121620420223: 13$ 226:22 250:19 251:20 262348 282:5 290:6 294:3
looking (13) 30:13 11025 155:8 157:23 196:22 198:3 259:2 6 263:22 292:23 323:15 333:15 345:24
looks (9) 59:15 220:12 25123 256:11 264:1 266:10 267:5 307:21 309:9
Ios (10) 200:22 25 201:20 212:17 212:20 23 213:3 814 310:12
loss (2) 278252845
lost (2) 234:4 344:1
lot (24) 29:1 31:37 92:12 97:24 98:1 $1138129: 5144: 132121$ 146:25 166:9 167:1 2 172:5 180:14 192:15 256:7 300:12 20 300:20 307:9 322:11
lots (2) 291:16 20
Is (2) $98: 1819$
lunch (5) 150:59 1512023 293:11
$\frac{\mathbf{M}}{\frac{\text { m (10) 2:11 }}{} 56 \text { 17:23 78:25 79:3 } 4} \begin{aligned} & \text { 234:1 245:20 350:19 363:3 }\end{aligned}$
mam (35) 13:18 59:13 2567
84:8 1990:1597:23 1038
106:25 112:12 119:16 1278 136:12 140:6 17 149:9 151:10 152:12 175:13 179:3 185:4 192:13 210:24 216:10 15
222:12 223:11 227:15 18 247:25 291:13 21 296:1 361:13
machine (1) 364:10
mad (1) 322:14
mail (1) 1708
main (4) 1203515 224:10
maintain (2) 1995 357:21
maintained (3) 348:3 18 349:1
making (3) 166:2 2182329125
man (1) 154:9
manage (7) 41:7 54:4 142:3 15422 176:24 204:25 309:2 managed (9) 176:11 21 263:8 $28120283: 424286: 463097$ management (37) 21:18 20 22:5 22:20 23:3 7 24:4 720 25:1 10 25:22 27:12 29:12 22 31:25 32:5 34:9 1213 35:19 36:9 11 37:22 24 46:12 56:17 121:19 1237 137:8 13823 150:15 1537 154:10 1421 345:12
manager (4) 128:16 16 205:3 315:11
managers (3) 126:6 9 128:6 manages (1) 39:14
managing (7) 98:7 158:18 173:18 176:18 186:8 194:17 240:12 mandatory (4) 2645 267:14 17 285:15
maps (5) 303:9 321:24 322:2 6 325:18
march (2) 22:9 80:3
mark (10) 215:25 2172123 218:10 $1621229: 1123423$ 250:1 328:25
marked (39) 58:19 $593468: 59$ $2167219: 820222: 1315$ 223:19 21 228:9 12242292 23125 232:10 13 234:10 12 249:12 15 262:14 16 278:17 20 291:1 $4304: 5831225315: 17$ $31520346: 1115$ 347:20
market (6) 133:14 24 138:15 $14024345: 5$
marketed (1) 353:21
marketing (12) 92:13 932 97:24 17724 178:3 $1217268: 13$ 352:12 $1317353: 8$
martha (6) 158:13 162215925 341:9
martin (19) $42473: 172021$ 74:1 74:1275:1676:2 772024 78:6 78:1725 79:3 $34155: 2525$ 156:4
martins (2) 77:1379 2
marty (8) 5:19 10:17 11:19 13:1 119:17 201:22 290:18 292:21
master (1) 129:6
masters (3) 14:13 21 126:15
material (3) 41:154536
materials (4) $455147: 13527$ 355:14
mathematicians (1) 12223
matter (3) 73:12 116:10 342:1
matters (7) 114:18 137:1 198:4 21 2002 215:21 217:1
mckool (1) 3:4
mckoolsmith (1) 3:9
mean (24) 16:15 41:9 1123913 112:14 17115:4 129:12 137:10 1717 178:4 20324 236:6 263:6 $3078311: 19314: 11318: 4$ 320:16 324:12 18 344:16 346:7
means (4) 112:15 305:13 3112 32424
meant (1) 230:3
medical (23) 132024 14:14 $129202122154: 181558$ 255:17 $18257: 151525868$ 259823 260:3 1212131315 261:12
medicine (1) 257:17
meet (4) 10:4 139:9 10 147:13
meetandgreet (1) 11:15
meeting (17) 10:10 15182122
10:23 11:34681415171820 135:13 292:22
meetings (3) 10:7 127:10 139:13 member (4) 48:20 3272332827 members (2) $467352: 13$
memory (2) 60:10 69:7
mentioned (7) $56667: 20$ 81:5
98:11 178:18 289:19 323:12
mentor (2) 25:14 27:7
merced (2) 40:21 21
merely (1) 28525
merge (1) $35: 24$
mess (1) 33:7
met (3) 73:12 1417
michael (22) 4:5 6:2 71:15 73:12 73:15 156:5 157:10 19 184:16 186:17 $1907191: 413$ 194:2 220:13 224:19 225314 226:3 226:14 329:16 35621
microsoft (36) 71:25 72:19 73:12 102:20 173:19 17523 176:9 15 180:17 18561021 186:1 194:13 23 199:6 16 210:10 18 211:12 23 212:3 263:19 264:16 264:20 2652 267:1 280:1 282:6 286:20 33925 340:4 14 359:13 359:20 24
middle (4) 6:10 20:16 144:17 267:13
migrate (1) $316: 24$
migrating (1) 3145
migration (1) 313:23
mike (3) 132:25 133:1 1848
milk (1) 25720
million (18) 109:19 22 110:2 1722 113:1116 114:24 115:111517 250:9 254:15 264:16 266:12 267:5 7 317:23 368:10
millions (4) 106:16 $115: 12 \quad 116: 7$ 240:6
mine (1) 205:5
minimum (3) 26927 288:6
minneapolis (1) 47
minnesota (1) 47
minute (3) 2797 291:18 347:11 mischaracterization (1) 87:13
mischaracterizes (1) 251:15
misstated (1) 90:23
misunderstand (1) 66:22
misunderstood (1) 341:1
mixed (1) 269:21
mixing (1) 115:20
mm (1) $216: 25$
mock (1) 127:16
moment (3) 291:24 292:16 337:18
monetize (3) $13921141: 311$
money (23) 29:6 1098 110:9 113:421 $114312115: 10$ 141:16 $16222166: 9251: 519$ 254:5 $1114265: 18266: 2123$ 280:2 289:2 5
monies (3) 26820 286:18 288:22 month (5) $93145: 61833$ 207:3 253:7
months (17) 10:13 22:5781217 2224 28:22 29:47 35:15 84:24 183:3 313:24 314:23 316:12 319:2
morgan (1) 1043
morning (3) 5:5 11:22 344:1
motorola (9) $9881199: 125$ 101:1 102:6 178:14 360:11 mouthful (1) 63:19
move (4) 100:5 145:11 27422 288:2
moved (5) 14:23 263:15 317:16 318:15
moving (2) 293:15 18
multiple (5) 106:15 115:12 1167 137:25 2406
n(5) 365:1 366:1 367:1 368:1 369:1
name (28) 58 6:7 101316 13:21 20:4 25:3 1618 33:6 54:1 71:11 130:11 $13420135: 1415$ 158:14 2122 163:20 197:4 277:16 290:18 30621 329:16 360:13 364:18
named (4) $17221241946351: 5$ names (6) 38:7 54:5 103:5 104:5 308:16 309:19
narrow (1) 30:16
national (6) 5:10 40:12 201:20 212:17 $20213: 3$
necessarily (1) 257:19
need (29) 721 16:15 17:4 51:3 77:13 86:6 140:18 145:21 146:12 147:15 15921 168:1 188:16 $1819198: 221323$

247:8 253:10 273892223 274:4 111818 296:20 331:7 needed (2) 77:15 3386
negative (1) 284:20
negotiate (5) 100:4 26925 270:4 271:527621
negotiated (6) 181:16 23 276:5 276:12 278:49
negotiating (4) 75:1 56 269:24
negotiations (4) 74:11 100:25 181:13 14
neither (3) 78:17 $1026364: 14$
net (1) 217:13
neurology (4) 17:22 19:9 20:21 30:12
neurosurgery (2) 20:20 22
never (16) 18:13 58:15 955 97:7 100:3 117:15 $151437248: 2$ 260:20 317:23 336:8 23 359:15 360:2 21
new (20) 3:7714:31431737:19 136:21 147:12 258:12 263:11 312:20 313:23 25 316:7 1425 317:11 318:19 369:59
news (10) $316: 11$ 322:25 323:1 2 323:7 1013141619
newscenter (2) 312:12 369:4
nicotine (1) 2582
nih (2) 161:1725
nods (1) 169:25
noncompliance (1) 2043
nonconfidential (1) 1788
nonpatented (1) 154:25
north (1) 6:22
northern (1) 7:1
note (2) 283:22 343:11
noted (1) 363:3
notice (43) 58:11 16 59:4 68:7 94:22 95:14 115:1 1166 199:20 200:1 25 201:15111719 202:23 203:69 20204316 206:10 208:5 213:4 251:15 281:7 2982025299611 330:15 2024 331:9 334:18 336:14 346:18 18 357:14 366:4 366:7 369:11
noticed (3) 64:18 698 280:25
notices (5) 117:8 $20020201: 9$ 202:1 3
notify (2) 119:2 334:9
november (2) 213:15 264:6
number (115) 37:15 38:4 47:11 15 59:3 1116 60:4 615 67:17 68:6 68:20 69:1 23 70:5 95:22 110:5 113:13 $19114: 18121: 12$ 124:10 125:7 175:15 161818 175:19 176:2 177:10 19 183:11 188:22 204:10 13 208:7 21021 210:24 219:20 221:2 222:14 18 223:89 1620 224:8 225:9 23 226:20 228:13 1618 229:3 230:8 2316 232:14 2225 234:11 20 235:19 240:23 25 241:2 61720 242:4 13 243:24 245:11 248:4 48 249:4 1619 249:20 250:2 111314 251:4 18 251:24 258:22 259:5 12 262:15 263:7 1123 266:3 269:15 16 270:6 2715 276:20 278:15 21 280:6 281:13 2528225 284:13 284:15 286:6 2915 308:14 368:7 1115
numbered (1) 223:2
numbering (1) $263: 14$
numbers (20) 60:18 228:19 229:8 232:8 240252503 256:14 282:2 $2908366: 11141619$ 367:9 1520 368:18 21 369:6 10 numeral (2) 216:3 13
nursing (10) 130:11 131:14 132:10 132:10 133:2 $13421135: 5712$ 136:5
oOo (2) $135: 3$
oakland (4) 10:19 120:8 1516 oath (15) 7:25 54:14 64:12 67:14 125:23 150:12 219:172348

246:4 294:12 296:14 32921 3617 362:21 364:9 object (130) 9:8 12:19 13:5 24:9 $26: 8151628: 537: 438: 12$ 39:17 $482149: 12$ 50:4 17 51:14 21 53:6 24 62:9 63:14 69:9 11 75:17 87:10 111:13 11221 114:15 121:22 126:24 14725 173:9 189:15 18 191:7 198:12 199:7 202:6 203:22 204:18 206:14 21 207:6 1321 $2082101824209: 14210512$ 210:19 211:1 $14212: 18213: 10$ 213:17 216:5 235:23 2365 240819 252:19 253:2 2225 255:12 256:4 274:22 275:17 292:9 294:6 19 295:9 299:17 18 299:19 25 300:1 $89301: 3411$ 301:12 18302671920 304:1 3042 305:45 30751724 311:17 313:89314:7815 15 $3153499328: 341112$ 332:13 333:11 337:1 338:12 13 339:1 $112340: 15343: 13456$ 345718 349:25 357:9 3585
objected (1) $324: 22$
objecting (1) 50:23
objection (421) 19721 24:13
27:22 2820 30:3 35:22 25 36:5 37:12 $4061641: 122542: 717$ 44:9 $10111945: 21746: 16$ 48:14 21 49:5 1221 50:4 51:7 51:14 21 52:16 53:12 54:19 55:4 1423 57:8 22 58:14 65:1 65:15 66:4 815 67:1 70:8 15 73:3 7 77:1 7821 81:8 20 82:12 82:17 24 83:6 18238571623 86:2 1825 87:13 88:3 89:1 11 89:19 24 90:7 7 91:2 $292: 1121$ 93:142294:391895:2424 96:20 97211 99:4 22 100:1 10151625 106:10 22 107:16 107:17 108:10 109:11 23 110:3

312:17 $22313: 118316: 417$ 317:371218318:282024 319:5 14 322:17 324:10 19 325:11 $1924326516327: 8$ 330:3 331:1 1219 332:1 334:10 336:5 $1111337: 233921$ 344:10 22 346:5 352:24 353:9 353:19 358:23 359:4 14 360:4 361:9 362:17
objections (19) 38:12 1720696 90:19 91:9 21 92:2 108:4 418 108:25 110:18 165:13 1693 210:25 277:10 302:14 3086
objects (4) $2522367: 81419$
obligation (3) 138:21 161:18 334:7
obligations (5) 52:1 152:22 269:2 293:13 294:15
obtained (1) 44:17
obviously (5) 14:7 122:23 162:11 209:20 264:15
occur (1) 313:24
occurred (6) 321:21 3225815 323:18 324:1
oci (1) 15:14
october (22) 80:10 93:13 $2194: 2$ 94:8 $2595: 71596: 619$ 97:1 202:59 19 213:25 267:10 297:21 298:4 1924 299:5 10
offer (7) 97:14 100:16 18 101:11 101:11 1523
offered (4) $977128: 11138: 3$ 147:2
office (156) 520 10:19 21:18 20 22:419 23:2724372025 25:10 1322 26:21 27:2 11 29:1 29:8 1122 30:19 31:25 32:4 $34: 911121314172135613$ 35:17 $1836: 910172237: 10$ 37:19 2223 38:9 $1143: 514$ 44:4 46:12 493816 54:2 56:16 81:188237102183:4 1112 83:15 $2285561486: 16$ 101:21 120:78 1524 121:15 16 121:18 19 122:10 152412356 123:69 124718 126:2 137:68 138:22 146:22 147:13 150:14 153:7 154:69 $1321155: 415$ 176:19222223177:1 349 178:24 179:14 16 187:21 24 188:6 189:21 1906121218 191:3 198:16 $2005203: 48$ 204:22 205:24 206:17 209:9 12 209:21 215:12 $238: 91318$ 239:17 247:5 $1321263: 92717$ 276:12 281:21 283:4 8242865 290:12 15 295:4 320:19 3305 337:8 345:16 $3462358: 8$
officer (20) 7:5 6 13:12 $22325: 14$ 27:9 29:17 182122 31:20 22 32:16416472116:24 128:17 128:21 2223
officers (10) 31:24 32348910 33:2 34:1 55
offices (1) 126:3
officially (1) 32:21
oh (5) 20:2 229243035 319:21 341:18
okay (398) 7:19 8:14 $229: 1424$ 10:3 14 11:16 12:5 1224 13:10 14:415:171634891723 17:2 78 18:23 20:10 21:6 22 22:16 25 23:12 22 25:15 1720 26:23 27328224 29:5 10312 31:8 $1633: 334: 162036: 3816$ 37:3 9 38:23 3923 42:2 43:20 45:9 46:3 102025 48:17 49:17 50:21 25 51:1 $56952: 41121$ 54:24 $5571956: 213205829$ 59:2 $2460: 37111361: 862: 15$ 63:18 2224 64:14 20 65:10 11 65:14 2366361719 67:3 68:15 692125 70:12 71:13 18 72:1 $1114172373: 2574624$ 75:14222576:5 10131418 77:678:7979:118081881:1 81:12 84:15 85:11 $1987: 1224$ 88:8 $1589: 81491: 1792: 17$ 96:16 97:1799:11 100:8 24

102521 106:5 107:10 12 109:6 109:18 110:7 111:10 23 113:10 113:14 115:8 116:6 117:25 118:1625 119:19 24 120:10 123:11 22 124:13 125:5 11 126:10 128:12 $129: 9131719$ 135:4 137:13 138:11 13925 $1408141: 114220144: 25$ $14561718146711148: 310$ 14820 150:18 151:3 13 152:1 15225 153:5 21 154:4 820 $1552514156: 1024$ 157:2 68 158:10 1519 159:15 160:13 16 160:18 21 161:45 10 162:19 163613 164:8 165:2 1016 $16671119167: 1018168: 9$ $1692224170: 11131924$ 171:12 172:9 19 173:5 174:17 176:13 $20178: 1622179519$ 180:1 $21619181818183: 17$ 184:4 185:7 23 188:20 212325 189:1 191:1 193:19 194:19 196615 197:9 202:16 20523 2062824 207:1 216:16 22 217:17 224:9 227:12 22820 235:9 $1213237716238: 1115$ 239224 240:14 241:9 19 242:16 245:2 17 246:21 247:3 247:10 248:5 14 250:16 251:10 25122 252:24 253:9 12 254:13 25421 257:25 258:15 19 259:11 262:6 263:16 26423 26521 266:8 17 269:5 2223 27321217 274:14 275:5 13 278213 279:69281:1115 2836 284:11 286:9 287:13 19 289:10 290:37 292:17 295218 29520 303:5 304:17 309817 31123 312:1 $10314: 19315: 16$ 319:18 321:4 323:17 327:11 14 329:18 $1923330: 21331515$ 335:4 336:21 337:10 3388 339:9 340:7 2225 341:6 19 34321 344:6 346:25 34724 $348: 15233495$ 352:5 355:10
355:19 23 356:18 357:24 355:19 23 356:18 357:24 old (2) 265:15 26622 once (7) 10:9 18:20 78:5 97:12 263:10 14 281:16
onepage (4) 143:2 10 349:7 368:16
ones (5) 32:13 135425 192:16 289:18
oneweek (1) 128:4
online (1) 357:6
open (6) 220:10 $22122303: 18$ 324:13 14 339:16
opened (1) 29:8
operating (1) 34923
opinion (1) 325:8
opportunity (3) 292:4 1416
opposed (2) 16:7 190:19
options (1) $30: 17$
oracle (1) 104:3
orally (1) 33623
order (4) 144:14 175:19 197:12 21625
oreilly (5) 191:1922 2325 192:4 org (1) 308:20
organization (2) 1265 327:15 organizations (1) 41:18
organizations (1) $41: 18$
original (14) 76:16 23 77:8 219:25
221:16 223:10 241:3 101320
24125 332:20 341:8 366:9
originally (2) 597 332:6
originals (2) 227:1 6
otm (1) 36:24
ott (2) 179:13 368:13
outlining (1) $336: 9$
outlook (3) 301:22 24 302:1 outofpocket (1) 264:12
outside (80) 26:11 43:10 $1386: 9$ 100:10 107:17 171:18 173:22 1762 185:12 18 199:10 11 20124 209:18 $211: 69212: 1$ 23625 237:10 21 238:7 $8239: 7$ 23920 240:8 20 247:8 16 257:2 257:11 258:25 273:7 1020

275:9 17 276:17 277:1 1018 286:23 296:19 2129751117 299:18 300:19301:4 1218 302:7 $203042305: 5307618$ 307:25 $30922311: 18313: 9$ 314:8 $16315: 410328: 412$ 331:19 332:1 336:12 337:2 338:13 3392123432 345:7 361:23 3623
outstanding (1) 58:11
overall (1) 26425
overseas (1) 15:14
owned (5) 54:11 112:24 121:7 330:23 331:11
p(6) 4:24 104:3 234:1 245:20 350:19 3633
page (46) 59:15 60:1 68:21 71:16 152:4 171:14 $216: 412220: 910$ 220:21 $2216223: 4$ 227:13 20 230:13 $2338242: 910$ 259:5 263:22 267:14 2685 269:18 281:23 283:11 2858 304:10 14 306:11 11 308:13 31025 312:9 315:22 33224 333:1 334:20 342:11 34622365514 366:3 367:3 368:3 369:3
pages (5) 124 192:15 220:4 275:7 365:22
paid (22) 21:19 226121823 $23324: 5522$ 27:16 18 29:3 7 50:13 161:15 217:13 264:15 20 267:1 $1011268: 1$
palo (1) 3:17
paper (2) 179:12 20
papers (4) 83:10 15 85:4 213:23 paragraph (17) $216: 13221: 1523$ 227:22 230:15 233:10 236:19 242:17 245:10 $2706271: 5$ 275:21 276620 304:13 305:22 317:6
pardon (4) 14:1831:11 151:21 324:21
parentheses (3) 263:5 284:13 15 parents (2) 15:2 16
park (1) 3:6
part (34) 24:4 5 34:13 36:21 $81: 9$ 102:25 103:1 137:55 154:10 16 155:7 159:17 166:14 180:21 181:3 189:10 12 215:4 $6216: 3$ 218:16 2258 226:20 276:24 278:5 279:21 232808 309:4 315:2 337:20 340:2 36124
participant (1) 44:6
participate (3) 18225 270:11 271:23
participated (2) 43:9 17 participating (2) 43:12 74:18 particular (7) 49:10 123:19

146:15 268:14 2858 286:11 341:3
particularly (2) $3056311: 15$ parties (3) 52:1 161:4 364:16
parts (1) 157:23
party (13) 78:11 18 119:2 21322 242:23 243246 280:25 333:18 333:23 24 334:1
pass (4) 423 127:18 296:5 361:14 passing (1) 42:12
passport (1) 6:11
patch (1) 258:3
patent (258) 43:5 14 44:4 45:19 4521 46:5 821 47:5 48:10 20 4824 49:4 1020502 51:12 $5271453: 4162054: 1521$ 55221 56:4 $482257: 37025$ $7126710121473: 182280: 1$ 8051115158135131617 81:19 23 82:23477101116 $82212283: 451012121517$ 8321 84:16 20 85:2 5614 86:13 $161787: 1888: 161013$ 882425 89:9 1823 90:6 1624 $916182492: 610202593: 9$ 93:12 20 94:1 716 95:9 17 96:5 96:10 11 98:5 9921415 100:17 101:4 111523 102:3

105:24 111:2 117:12 118:18 121:16 123:89 20 124:16 18 136:18 138:14 139:20 145:14 145:15 18 146:16 147:21 148:8 148:23 149:4 $1527153: 217$ 155:21 156:7 $13157: 111120$ 160:23 161:9 121655 173:8 174:8 1758 187:21 24242425 188:567 18921251906812 190:12 181819191355614 192:6 19323 198:17 199:2 3 202:5 12 205:3 209:12 212324 210:4 215202226 228:5 230:23 233:19 238:9 1318 239:17 243:1 244613212455 245:13 247:5 6132023 248:12 248:20 25 249:9 252:18 254:16 254:19 22 255:1 2582227825 280:12 281:19 289:6 296:16 297:2 8142223 298:5 1421 299:17121624300:7 24 315:1 3226 330:1 23312 333:21 335:8 353:18 358:4 821 359:10 360:25 361:23 362316 patented (1) 154:25
patents (94) 4225 43:2 54:4 10
71:894:2495:9 96:12 192525 97:9 21 102:10 15 106:9 107:4 107:6 815 108:3 91724
117:25 118:8 12171518 123:1
123:14 $23251248138: 912$
139:21 141:31114278143:17 144:1 $1593164: 21$ 165:19 166:15 22 170:16 171:16 172:2 172:14 202:13 209:13 215:14 215:24 216:19 217:2 235:22 236:23 237:9 1923822 239:18 246:18 2024 248:17 250:11 259:21 2122 261:10 112633 321:15 322:16 323:19 324325
326:4 15 327:7 330:16 23
331:11 23 334:9 16 336:1 25
339:20 346:4 354:14
patentsinsuit (8) 84:7 97:8 117:19
117:24 124:24 125:9 246:17
321:22
paul (1) 4:23
pause (2) 87:11 329:10
pay (5) 51:19 146:12 16222 269:2 3287
paying (1) 16121
payment (1) $288: 9$
payments (9) 269:2 1314 287:11
287:20 22 288:1 6 289:13
pdf (8) $339: 16344: 17192425$ 345:4 2025
pei (35) 17221 173:1 $1620174: 3$ 175:6 $18481617186: 141517$ 186:19 25 187:9 23 188:7 1897 190:61913132019322 194:22 195:15 351:5 356:20 357:1 13 358:1 193593921 360:2
penalties (1) 8:4
pend (1) 292:17
pending (4) 124:17 145:14 270:25 354:17
pennsylvania (2) 14:16 17:12 people (21) 32:15 23 38:10 39:2 41:15 49:24 79:9 128:14 146:8 157:23 194:17 199:25 200:4 45 200:5 21225 307:9 320:19 20 353:12
percent (11) 33:4 182022 121:25 122:15 265:16 1717 266:21 267:22
percentage (3) 124:12 217:13 265:21
perform (2) 18:1 127:19
period (9) 22:142423:1 243 75:12 124251632 168:19 356:24
perjury (1) 85
person (7) 41:10 61:14 62:1 25 63:11 147:19 3078
personal (15) 84:2 170:5 171:23 291:71420301:20 302:9 303:13 14 321:7 338:15 3393 343:5 345:9
personally (15) 153 45:10 13 58:16 131:20 141:13 157:15 170:12 195:25 246:11 302:22 30223 321:6 322:11 325:12 pertain (1) 149:13 peter (1) $5: 8$
ph (14) 1:17 2:85:17 14:15 1719
17:11 2425 30:12 126:18
24523 363:2
pharmaceutical (1) 257:16
pharmacology (1) 14:15
phil (3) 20:19 2124
phillips (2) 194:4 5
phone (8) 11:19 43:9 121418
44:1 5 73:24
photocopies (1) 347:23
phrased (1) 295:13
physical (1) 112:10
picasa (1) 323:21
piece (2) 238:5 264:21
pis (1) 161:25
pittsburgh (2) 14:16 17:12
place (8) 219:5 241:14 23 242:20 $32620223396364: 7$
placed (1) $364: 9$
plaintiff (13) $1: 73: 3$ 106:14 111:7
$1173214: 1123$ 270:21 278:1
332711 340:8 343:15
plaintiffs (3) 5:18 102:23 273:18 plan (7) 9:1 135:22 23 141:79 14 143:13
planned (1) 1436
plans (10) 140:13 1524141319
14125 142:9 143:45 8
plant (4) 256:9 258:11 12 261:17 plafform (6) 89:2 41010 313:23

118:8 $1019123: 58$ 156:12 20 158:1 172:1328135 290:14
practices (6) 60:2 $11623118: 3$ $149 \cdot 1321342 \cdot 4$
practicing (11) 95:8 16107514 107:22 108:2 $81523118: 17$ 119:3
predates (1) 358:3
preexisting (1) 263:12
preliminary (1) 97:25
preparation (1) 197:2
prepare (21) 9:25 105811 11:25
177:9 18 183:12 14 192:20
193:2 195:22 197:12 231:14
235:4 248:6 251:17 269:24 25 270:2 351:13
prepared (14) 60:14 70:1 21 125:7 177:21 1936 204:12 210:23 229:17 233:5 250:20 251:11 279:22 282:8
prepares (1) 86:4
preparing (1) 290:4
present (12) 4:22 10:15 21 11:18 74:21 133:79 $10153: 81012$ 181:21
presentation (1) 324:7
presents (1) $325: 16$
preserve (2) 208:19
president (8) 10:20 1208 146:22 216:25 217:10 18 218:13 22
presidents (1) 196:14
press (6) 72:79 $12161973: 10$
presume (8) 113:11 1515725
207:15 218:15 232:3 326:19 21
presuming (2) 1138 199:11
previous (4) 1022 150:24 159:17 176:10
previously (2) 36:13 250:19
primarily (3) 129:21 151:1 32120 primary (4) $319: 23$ 320:1 $8323: 13$
printed (3) 17925 254:3 348:12
printout (4) 312:8 $31522369: 47$
prior (54) 10:7 57:21 93:17 1220
94:7 $162495: 1496: 591925$ 97:22 99:14 157:10 173:7 21 175:6 10 176:12 177:2 25 178:19 185:9 186:1 193:23 209:11 20 210:1 $3212: 12238: 4$ 238:12 17 239:5 101525 240:1 240:4 17 297:20 298:3 1823 299:4 930321 319:10 352:8 355:17 364:8
priority (1) 192:5
privilege (2) 9:11 75:19
probably (9) 38:21 47:1 98:17 113:1 135:1 2 162:16 240:11 350:13
problems (1) 128:25
procedures (1) 23725
proceed (1) 77:14
proceedings (4) 329:1036468 364:10
process (7) 42:12 74:4 86:4 1387 138:24 215:1 316:14
produce (4) 4722 212:16 213:15 232:18
produced (22) 47:4 10141725 48:11 193:9 205:15 206:5 13 207:3 208:22 21225 213:9 227:9 232:6 239:15 240:4 17 287:14 21 355:16
product (40) 129:22 23251303 130:61721131:910151722 132:4 $11133: 312142325$ 134:6891358136:5 138:15 140:1 257:20 23 260:14 1720 261:3 268:14 18 302:13 32523 326:18 327:10 344:8 345:15
production (3) 206:20 232:9 257:20
products (28) 129:16 $20133: 17$ 133:19 155:16 164:19 165317 166:13 20 167:1 172:11 268:17 299:14 22 300:5 14 301:10 302:5 1517182130325 319:12 331:16 340:13 34924 professionally (1) 319:13
professor (4) 19:8 16 147:3 174:8
professors (6) 136:9 20 137:16
$1395146: 516$
program (12) 18:16 $2522301: 16$ $3146316: 15$ 325:9 326:21 22 3275 367:7 1419
programs (7) 155:12 $12300: 13$ 300:17 $183187338: 7$
progressed (1) 100:22
progression (1) 2323
projects (1) 161:4
promote (1) 41.19
promote (1) 41:19
promotion (1) $258: 2$
pronounced (1) 27:5
proper (2) 326:19 21
property (7) 7:1 15:1 3 115:22
137:1 10 138:8
prosecutes (1) 123:15
prosecuting (1) 123:8
prosecution (11) 81:19 24 83:11 86:16 187:25 188:6 190:1 18 1916 199:2 205:4
proteins (3) 18:9 10 21:12
provide (20) 94:22 95:14 136:9 20 $13625137: 1619146: 4819$ $1672181: 342436298: 2025$ 299611 300:20 334:1
provided (8) 69:7 76:17 115:12 1756 287:20 290:89 355:13
provides (4) 37:6 1462 168:2 1816
providing (3) $115: 1$ 117:8 326:8 public (9) 147:19 $1487178: 68$ $2708271: 10275: 2227623$ 2786
publication (3) 348:3 $18349: 1$
publicly (5) 196:13 271:11 275:22 276:1 349:21
publishing (3) 191:19 23 192:1
punch (1) 249:21
purpose (3) 7:16 130:24 320:24
purposes (2) 131:10 2308
pursuant (1) 21624
pursue (2) 277:15 25
pursuing (1) $90: 5$
put (12) 117:25 161:19 222:11 23222 262:19 293:8 3228 327:11 346:14 347:9 349:19 3503
putting (3) $1618295: 519$
qualified (2) 68:1 128:14
question (191) 8:9 $1215169: 17$ 12:20 13:6 16:20 23:11 24:10 26:9 $151728: 61119382$ 40:17 42:9 50:24 5224 53:7 54:24 62:10 1012192122 63:4 5 65:16 75:18 87:11 93:17 97:3 16 103:8 10636 107:9 11 107:17 23 108:11 109:5 111:20 112:18 116:4 117:20 130:14 136:13 137:14 140:18 143:21 $1563160: 816521$ 166:24 167:1524168621 169:1522 17020 173:10 188:10 189:10 189:12 19 190:10 191:8 198:13 1998 200:15 202:7 203:23 204:19 205:18 206:22 207:7 14 20722 208:3 25 209:15 210:6 210:13 $20211: 15212: 19$ 213:11 $182156218: 123122$ 235:18 $242366238: 711$ 239:10 2022 243:12 18 244:8 244:15 232457 247:16 250:23 25025 251:15 252:20 253:3 254:1 255:13 20 256:5 21 257:2 257:11 259:16 25 260:23 261:5 26268 264:24 271:14272323 2737 274:23 23 276:17 281:9 28625 289:17 292:17 294:22 2942425 295:10 1316 296:19 29751117 299:18 300:19 301:4 12 302:7 $20304: 23055$ 313:9 314:8 315:4 322:9 324:11 $3242023326: 1125327: 1$ 328:4 12 331:8 332:14 333:12 3372 338:13 340:16 3432 345719 346:6 349:16 350:1 352:15 353:4 357:10 358617

361:15
questioning (7) 37:5 62:16 109:6 160:5 169:17 216:6 30922 questions (34) 7:21 16:1 $56384: 1$ $8520138: 1150: 22$ 160:1 11 195:21 22924 235:10 260:18 287:22 293:16 294:10 295:25 317:23 329517223335 349:7 349:12 350:11 1423 351:5 8 354:21 355:4 361:20 22 365:14 quick (1) 329:8
quickly (1) $8: 10$
quit (1) 169:1
quite (1) 100:10
r (4) 4:14 198:4 152005
raggett (2) 328:16 17
raise (1) $282: 13$
raised (1) 282:18
rajdev (53) $1: 17$ 2:8 5:1 7 6:9 10 6:16207313 13:11 395 41:5 47620 48:10 58322 63:10 648 67:10 69:8 15842 125:19 150:8 219:13 232:15 234:3 245:23 25 293:22 294:17 295:12 296:12 3056 329:14 25 330:14 332:17 33521 337:14 345:3 346:12 348:8 17 349:6 350:22 3553 361:19 362:10 363:2 365:4
rajdevs (1) 58:16
ran (2) 22:14 29:6
ranging (1) 288:12
ranging (1) $288: 12$
rani (2) $6: 1112$
ranked (2) 25523 257:7
rao (2) $3: 1535: 7$
rattling (1) 21025
reach (5) 95:14 118:19 148:13 297:22 2985
reached (14) $95696: 491723$ 97:19 98:22 998 100:3 269:10 358:1 193593 360:2
read (38) 7124 72:5 73:10 7925 80:11 $121315192181: 2$ 85:13 141:18 201488 156:15 173:2 186:15 223:8 1416 226:23 $26121291: 10304: 15$ 306:20 327:17 33521 340:4 6 340:23 24 341:2 37 344:25 356:47
reader (5) 337:16 16 338:19 344:8 23
reading (6) 72:12 18 217:7 304:18 316:20 318:14
reads (5) $66232223333: 16$ 342:12 34725
ready (7) 1821 169:5 205:14 206:5 1220 282:21
realize (1) 341:20
realized (1) 29:1
really (10) 16:5 30:14 $2131: 7$ $\begin{array}{ll}75 & 23131: 16133: 11154: 22\end{array}$ 311:21 3298
reask (1) 353:4
reason (12) 208:20 227:4 8 231:18 232:17 $20236: 16$ 237:1424921307213313:16 reasonable (4) $2437334: 2$ 335:11 336:9
rec (1) 201:7
recall (46) 28:21 442 54:1 5 6920 72:15 7324 84:23 85:17 86:15 89:25 91:4 $112292: 313$ 99:16 104:4 131:15 13423 145:13 156:9 201:6 25 208:11 213:6 294:2 295:24 2962 330:11 333:4 10 340:1 342:1 344:711 $1316349: 614351: 6$ 351:8 11 352:10 357:18 19 receive (13) 14:17 1921 17:23 126:11 $1417129: 14147: 523$ 178:5 266:20 269:6
received (33) 17:11 58:15 127:22 128:3 143:25 199:19 25 200:24 200:25 201:4 203:2 520423 213:4 251:6 19 253:20 254:6 8 267:6 268:8 1321 269:3 10

280:3 2853 286:19 287:5 288:16 22 303:17 336:8
receiving (3) 30:12 126:12 145:10
recess (7) 645677 125:15 150:5 245:21 296:8 350:17
recognition (1) 258:7
recognize (3) 219:22 231:7 249:17
record (69) 5:6 6:8 16:25 5223 63:4 64:2 36 66:14 67:45 811 69:1075:23 87:57141228 125:14 17 150:36 151:15 1619 151:22 169:23 190:25 219710 224:6 229252308 231:20 233:23 24252452023 279:9 279:11 $13161617280: 1415$ 280:16 21 282:18 291:11 25 292:1 293:9 $151718296: 79$ 329:89 11 349:22 350:16 18 353:5 $3632364: 10$
records (5) 158:7 $236311251: 21$ 356:2
redone (1) 241:15
reduced (1) 156:19
reduction (2) $156: 11 \quad 158: 1$
redundant (1) 91:15
reexamination (10) 82:22 83:5 16 83:16 190:19 24762024 248:11 16
reexaminations (2) 82:16 23725
refer (12) 35:171 610 179:24 180:1 3082531036111620 316:1
reference (1) 317:25
referenced (1) 349:9
references (1) 295:11
referred (1) 311:3
referring (11) 45:18 $55872: 16$ 112:16 121:5 1485 216:3 300:18 303:3 320:13 321:2 refers (4) 308:21 309:12 31523 327:18
reflect (2) 188:7 287:5
reflected (2) 287:11 289:14
reflects (1) 63:4
refusing (4) 9:15 294:24 295:15 16
regard (1) 298:13
regarding (6) 73:11 234:16
297:22 298:5 301:9 368:4
regards (1) 149:8
regent (1) 218:12
regents (107) $1: 165: 19$ 39:15 56:11 $1858559: 521$ 60:1 23 62:7 63:1 12 64:16 68:7 105:18 118:2 1258 188:13 191:11 216:24 218:8 $1114220: 11523$ 221:9 12 222:4 2235 224:14 20 225:16 22 226:4 15 228:3 229:12 230:21 233:16 234:17 241:14 246:15 248:15 2516 270:9 10 271:9 2227521 276:22 277:3 62803 286:19 304:24 305:1 2324 306:5 18 307:3 23 309:2 7 311:7 319:2 328:9 $32925330: 114181923$ 331:2933271021334614 335:1 $724336: 724342: 1518$ 342:23 343:12 348:1 7113498 349:19 358:13 362:12 13 366:5 366:8 10 367:6 1217 368:5 369:11
registered (1) 305:16
rejected (1) 1232
rejoined (1) 47:1
relate (3) 38:4 61:18 1338
related (12) 133:7 17821 180:17 180:21 198:7 199:1 16 200:7 9 262:25 300:14 351:17
relating (2) 212:2 2172
relationship (4) 77:23 203:12 17 342:19
relative (1) $364: 15$
release (5) 72:9 $13161973: 10$
released (1) 26021
relevance (3) 314:11 123212
relevant (9) 4724 177:20 23
180:24 200:3 $3306343: 1623$
351:16
rely (1) $354: 16$
emain (1) 354:18
remember (34) 10:12 13:14 20:2
22:15 263 29:4 31:14 608 72:12 18 74:14 98:9 127:12
130:11 135:14 203:10 205:9
20625 213:24 214:18 223:17
2703 286:3 2888 290:20 320:2 321:19 323:3 4 336:14 33722 $3417344: 18345: 1$
remembering (1) 98:13
reorganization (1) 34:10
repeat (5) 89:20 93:17 11720 140:18 286:25
repeatedly (1) 198:6
repeating (1) 321:10
rephrase (9) 5424 136:14 156:3 167:18 169:22 194:19 239:9 27423 326:11
report (10) 19:1 20:17 24:25 31:18 32:15 23 34:2 174:15 229:21 28323
reported (6) 31:21 174:12 2023 175:1 2
reporter (6) 5:9 16:1 2228021 329:4 364:5
reports (9) 32:21 33:1 13131516 33:20 21 40:22
represent (3) 5:1675:11 3478
representation (4) 222:4 228:3 23021 233:16
representative (2) 290:15 341:12
represented (1) 240:11
representing (1) 17323
request (10) 47:17 232:5 287:19 332:12 335:6 924 336:8 343:17 34321
requested (3) 4721 76:19 248:16
requests (1) 48:8
require (8) 48:19 161:259 11
responsibility (4) $21520217: 19$ 337:12
responsible (4) 19:2 242:23 333:18 337:11
responsive (1) 207:12
rest (3) 202:18 254:20 266:22
restate (5) 428 52:23 101:18 143:20 236:7
restated (21) 74:5776:1277814 78:12 18 142:19 143:3 9 223:13 229:7 231:11 $2333241: 17$ 242:2 243:16 $2442367: 51116$
result (3) 251:7 20 280:4
results (5) 320:10 $1214321: 12$ resuming (7) 64:9 125:20 150:9 219:13 234:3 246:1 296:13
retailer (1) 95:23
retain (4) 199:1 210:17 212:11 13
retained (5) 198:17 211:6922 25
retention (6) 196:13 19723
198:11 2325 213:4
reveal (3) 11:10 133:5 271:15
revenue (2) 253:15 19
revenues (3) 11025 129:13 268:15
review (34) 9:25 11:1424 12:2 83:9 14 85:3 143:3 5 175:19 177:18 183:12 184:5 187:21 188:13171824189211 191:12 193:13 216:9 279:7 19 280:9 281:12 290:4 292:4 1416 340:19 351:17 357:13
reviewed (33) 12:6 61:6 6922 98:6 $14124142: 491752223$ 175:24 176:16 177:7 178:17 20 190:13 192:9 193:18 1819923 226:19 235:6 2383 239:4 15 240:3 17 250:17 259:10 351:14 352:7 355:1 1 357:1 360:20
reviewing (3) 86:10 206:4 355:6
reviews (2) 279:10 17
richardson (2) 4:4 6:3
right (110) 11:12 12:10 16:10 18 17:9 20:15 22:10 22 23:8 248 24:12 27:19 33:18 34:11 36:18 37:18 $2538641: 2343: 1124$ 51:2 20 52:4 9 54:12 57:7 24 61:23 625 64:18 65:18 69:17 73:6 $2474: 97551076: 52125$ 77:18 8925 101:19 102:10 115:24 117:4 120:11 122:12 16 122:19 128:8 129:17 19 138:4 153:12 154:6 $1562161: 71625$ 166:39 1685 177:5 10 179:21 181:21 22 187:4 196:21 20122 213:25 214:15 19 219:5 22468 224:12 225:19 227:19 235:17 235:19 239:25 240:2 243:23 250:6 252:10 25769 263:24 275:24 278:15 $281: 8$ 282:23 285:4 286:8 289:22 290:23 291:9 295:20 31523 321:25 326:7 328:7 343:19 349:19 355:21 356:16 360:5 361:1
righthand (2) 312:7 11
rights (19) 56:11 1811522 138:21 152:16 23 160:1721 23 161:13 162:471225 222:62285 230:23 233:19 335:8
rita (2) 290:11 291:6
road (1) 4:15
robinson (82) 3:14 19 5:25 25 296:11 22 297:17 1319 298:12 298:17 299:21 300:4 163017 301:15 23 302:12 16 303:1 304:7 305:8 203063922 307:1 $1120308: 17121924$ 309:11 310:1 10151924 $311: 1222$ 312:4 $1824313: 312$ 313:20 314:13 $18315: 71519$ 316:5 19 317:49 $1424318: 3$ 318:10 $22319: 1817$ 322:20 324:16 325:2 1321 326:1924 327:13 328:8 1520 329:2 57 365:8
role (19) 19:5 20:4 21:12 24:21 25:9 21 26:13 27:7 11 29:15 31:21 40:4 $41545: 1112125: 8$ 128:15 20 319:11
roman (2) 216:3 13
room (1) $35: 9$
ropes (3) 2:9 3:13 35:8
ropesgray (1) 3:19
rosenstein (1) 3:5
roughly (5) 22:10 38:10 208:15 2677 288:11
routinely (1) 246:19 royalties (3) 217:13 26323 269:7 royalty (4) 269:2 1314 288:6 ruc (3) 225:23 24 366:17 rule (1) 317:22
rules (3) 1522 28:10 329:21
running (1) 156:17
s (1) $311: 2$
sales (1) 268:17
san (55) 2:10 5:12 $6247: 1113: 13$ 18:17 19:12 1621216 22:21 23:20 24 29:23 326348 35:4 35:20 37:20 39:14 40:11 41:4 62:3 6322 65:4 2225 120:5 1237 127:20 154:24 1742 200:10 253:20 254:7 1117 263:15 267:6 268:7 283:13 22 284517 285:3 10 287:7 288:17 288:19 24289345 310:21 3642
santa (1) 310:17
sasha (2) 3:15 35:7
saw (9) 213 157:4 18 158:4 12 17125 180:17 202:25 286:8 saying (7) 1642 165:11 289:7 2962 307:7 32022 345:25 says (34) 157:10 216:23 221:25 2272024 228:1 230:17 20 233:12 152535 263:4 2707 2712022 278:15 279:1 280:1 28022 283:12 291:21 293:7 $30521313: 11314: 21316: 10$ 316:16 317:21 $21318: 912$ $3355341: 25$ 350:7
scenario (1) 1617
scheduled (2) 92597
school (10) 130:11 131:14 132:10 1332 134:21 135:57121365 16122
science (2) 30:15 31:4
sciences (4) 13:19 2024 14:14
scientists (1) 49:25
scope (120) 26:11 $1538339: 18$ 40:17 48:22 49:13505 17 51:15 22 53:2490 $891395: 25$ 107:17 108:11 109:12 110:12 $11222115: 317116: 14121: 10$ 12123 124:3 134:17 1492 164:4 23 166:24 167:15 24 168:13 211703 171:17 172:3 172:15 187:12 190:22 191:8 193:11 203:15 23 205:18 206:15 22207722 208:25 209:15 210:6 $20213: 1118$ 215:17 218:1 222:6 228:5 23023 233:18 237:1 1122 2387 239:8 20 240:9 20 247:16 25023 257:2 11 259:1 273710 27321 275:10 18 276:17 277:2 277:11 1928624 296:19 297:5 297:11 17 299:18 300:19 301:4 301:12 $183027304: 23055$ $3076182530922311: 18$ 313:9 314:8 $16315: 410328: 4$ 328:12 331:19 332:1 336:12 3372 338:13 339:2 12 342:14 3432 345:7
scott (2) 172:24 191:20
screwed (1) 243:20
sd129591 (1) 123
se (1) $155: 3$
search (13) 48:5 $6303: 46319: 15$ 319202325 320:1781417 searched (1) 207:11
second (23) 37:22 77:14 78:12 18 83:5 16 84:18 125:12 143:2 9 151:4 161:6 189:10 12233322 241:4 245:18 247:6 280:14 29225 314:20 367:16
secondtolast (1) 306:10
section (7) 305:11 33325815 334:21 3355
sections (3) 146:24 157:24 180:24 see (91) 59:8 1017 138:16 157:3 184:15 204:10 216:17 217:5 15 220:12 $1925221: 47132325$ 222:9 223:1 224:3 22 225:1 6 225:11 25 226:6 1117 227:19 227:22 24 228:7 230:15 25 233:20 235:1 241:7 10 242:18 243:9 251:8 252:12 15 253:16 255:7 25 256:12 18 258:1 267:15 $1923270: 151824$ 271:3 283:9 1418192847 305:17 2325 306:13 307:21 308:2 11 311:9 312:12 21 313:2 315:25 316816183175819 318:21 333:1 334:4 21 335:14 340:19 342:12 213475 351:20 357:6
seeing (2) 266:18 19
seek (6) 1748 272:1 102735 275:23 27623
seeking (8) 109:9 110:10 111:12 271:11 $27220273: 19$ 275:15 276:15
seen (37) 6:18 58:22 2425 68:12 68:16 130:3 132:1 8 140:12 23 141:91315625157:1915 170:13 173:11 $182611184: 20$ 184:21 188:4 201:13 1718 222:18 229:4 232:23 262:22 278:23 27924 290:1 304:11 317:23
selected (2) 313:5 317:10
selection (1) $316: 13$
selects (4) 312:19316 $6369: 58$
seminars (1) 137:9
send (3) 76:15 202:2 23
sending (2) $209: 8357: 15$
senior (16) 756 13:12 29:18 21
3120 32:3 8915 33:2 34:4
$416128: 162123$
sense (1) 18:14
sent (9) 83:15 21 187:23 200:20 201:19 2124 203:20 318:17
sentence (3) 2812331322 314:20
separate (10) 116:10 117:23 120:17 162:10 1685 239:16 240:16 241:16 247313
separately (1) 91:14
september (26) 21:25 222913 22:18 24:6 242523 27:11 28:1 2834 29:12 1525308 31:18 32:1 142:23 143:2 10 229:13 230:1 234:24 25 270:17
series (2) 7:21 15:25
seriously (8) $2046246: 712$ 290:21 $29323294: 1518$
served (4) 58:18 596 201:23 346:19
serves (2) 172:13 320:23
service (4) $1682311: 231625$ 326:8
services (8) 5:10 $1672283: 813$ 300:5 $20305: 163113$
serving (1) 2757
sessions (1) 127:16
set (3) 147:11 256:24 3647
settlement (11) 72:10 20 102:24 103:1 180:21 268:7 2222 269:1 269:12 28620
settlements (5) 180:14 25 269:9 269:10 28621
setups (1) $39: 11$
seven (1) 2223
sf (2) $252: 82635$
sf1994b08 (1) 368:14
sf1994b08 (1) 368
shakes (1) 155
share (3) $11025264: 9$ 345:20 shares (4) 264:6 267:18 26867 sharp (6) 19:4 $152020: 11921$ sharps (1) 19:5
sheet (1) $286: 11$
shes (8) 87:10 101:18 169710 200:17279 2022 290:12 shock (3) 18:9 10 21:12
short (1) 313:21
shorthand (2) 364:4 11
shortly (2) 270:20 332:11
shouldnt (2) 272:17 291:7
show (1) 285:8
showing (1) 215:23
shows (1) 284:4
sic (10) 33:8 98:16 156:5 1973
217:11 225:10 229:14 2362
307:16 329:3
side (2) 75:4 262:19
sidebar (1) $211: 1$
sign (26) 46721 48:20 24 49:20 50:2 $1251: 112452: 71453: 4$ 53:16 20 54:15 55:2 $12146: 9$ 147:21 148:11 22 152:7 16022 161:11 162:3 307:10
signatory (1) 3088
signature (1) 306:15
signatures (2) 220:18 306:13
signed (37) 4421 45:14 4623
47:2 6 48:13 54:17 21 56:9
100:20 146:16 153:2 16 220:13 221:8 223:4 224:18 225:3 13 226:2 $22920230: 1$ 232:1 67 232:15 234:23 241:18 306:17 307:3 822 316:22 3543 360:9 360:19 23
signing (2) 221:11 12
signs (2) 57:4 136:18
silvey (1) 172:24
silveys (1) 191:20
similar (5) 78:5 124:12 133:18 24 134:8
similarly (1) 325:17
simply (1) 3317
simpson (8) 4:24 5:19 19 10:17 11:19 13:1 201:22 290:18
simpsons (1) 119:17
sit (11) 30:5 $1026138: 23$ 193:6 227:8 247:11 27325 289:24 292:15 294:21 354:12
situation (3) 43:16 78:5 136:3 six (5) 22:8 172323 29:4 sixth (1) $4: 6$
skills (2) $31: 17$
sliced (1) 157:23
slightly (4) 115:24 326:10 25 327:1
slowly (2) 8:10 176:24
smith (1) $3: 4$
snap (1) $293: 3$
snapped (2) 294:8 295:12
snapping (2) 293:14 19
software (3) 154:17 258:6 259:9
sole (1) 270:13
solely (1) 9:10
solution (5) 312:20 316:7 318:19 369:69
somebody (9) 40:3 43:13 612 98:12 11424 132:18 21 187:9 325:1
someones (1) 8023
son (2) 322:11 12
sorry (53) 14:22 23:12 $141532: 9$ 35:10 45:12 53:1 55:8 58:15 87:3690:2391:11 14 98:11 100:9 13 101:18 1105 128:18 140:19 152:20 155:25 1562 158:14 21 186:7 197:10 216:11 224:5 229:9 230:3 2367 239:22 242:12 249:22 262:7 269:21 272:17 25 275:3 27723 279:15 287:1 299319 303:4 304:17 336:20 340:25 341:20 352:13
sort (10) 18:13 22:18 26:13 45:6 161:16 204:3 255:1 259:9 264:24 25
sought (2) 143:17 247:20
sound (4) $22: 1069: 17$ 73:6 213:25
sounds (2) 24:14 328:23
source (1) 1335
south (1) 4:6
space (1) 179:17
speak (19) 8:10 17:1 43:23 60:23 61:1621 62:1 63:11 64:17 65:25 66:20 67:18 68:1 24 82:2 82:20 83:3 87:4 248:7
speaking (12) 59:20 61:10 64:22

65:3 6624 84:5 151:19 23 169316 249:2 289:11
specific (21) 88:19 20 95:20 147:1 162:17 164:16 167:1 1687 172:10 187:19 193:14 197:16 246:20 25 264:25 26520 300:14 309:25 323:16 33020 336:14
specifically (21) 50:22 92:1393:5 141:10 149:8 159:20 1683 1726 187:5 192:12 198:7 256:6 300:11 1325 330:4 9 337:22 344:11 $16356: 11$
speculate (2) 39:5 6
speculating (2) 336:17 19
speech (1) $258: 6$
spell (9) 13:21 25:3 33:6 40:25 98:15 126:7 158:16 2022
spelled (1) $6: 13$
spending (1) $86: 9$
spoke (2) 19:25 21:3
spoken (18) 43:4 8 73:20 77:20 78:2 $2479: 41419228122$ 82:69172 2023 191:19 192:4 1946
sponsor (1) 161:18
sponsored (7) 36:17 52:25 1295
1297 160:20 161:48
sponsorfunded (4) 50:10 5125 52:13 533
sponsorrelated (2) 1512 162:1
spread (1) 114:14
spreadsheets (1) $324: 5$
ss (1) $364: 1$
stack (1) 269:19
staff (8) 39:2 41:8 305:15 316:25

152:5 $14153: 14161622$ 160:19 21 161:14 162:9 164:10 173:2 174:10 357:14 18 359:9
students (55) 37:7 41:8 42:13 50:1 50:1 $1251: 10182452: 5612$ 53:2 54:3 $101555: 171468$ 148:14 21 149:68 1321 150:22 150:23 151:1 1523 159:12 13 159:192325 160:13441613 161:1115162:3782125 163:24 246:16 19 305:14 314:5 316:24 317:15 25 318:5 18
stuff (1) 205:4
su (1) $116: 12$
subject (6) 69:6 75:19 116:10 251:12 342:1 368:19
sublicense (2) 144:1 14
sublicenses (4) 102:17 144:9 180:9 356:13
submit (2) 189:25 247:4
submitted (10) 85:5 6 187:21 188:5 209:12 238:4 13 239:5 11 247:13
subpoena (5) 59:5 201232032 366:5 369:11
subscribed (1) 364:17
subsequent (1) 241:15
subsequently (2) 341:10 353:25
substance (3) 11:10 74:14 271:16
substantial (3) 485 242:25 333:20
succeeds (1) 129:18
sue (10) $11425115: 10116: 1012$ 215:10 217:23 218:6 1723 270:21
sued (2) 144:9 33022
suggested (2) 105:3 346:2
suggestion (1) 336:24
suing (10) 1058111519 106:15 114:11 145:20 166:8 240:6 295:7
suit (11) 93:1394:1 $172596: 1019$ 97:1 11820 270:12 14 332:6
summarizing (1) 77:3
summary (5) 76:17 23 178:9 262:24 368:13
summerville (1) 4:15
sums (1) $38: 7$
sunita (10) 1:17 2:85:176:9 14 245:23 348:7 3632 365:4
supplemental (13) 37:15 38:3
68:6 70:2 234:16 24838 249:4
251:4 18 280:5 $3667368: 4$
supplied (2) 326:18 327:10
supporting (1) 105:25
supposed (2) 235:17 279:22
supposedly (1) 2613
sure (79) 6:19 8:13 9:20 212
25:12 37:17 40:21 42:11 43:11 52:4 22 54:7 14 60:12 61:22 23 61:24642652224 66:1 1322 76:8 77:16 8425 85:12 86:1 12 93:1895:4 109:4 11721 124:14 132:20 139:23 140:20 14122 143:23 145:3 $25147: 171485$ 150:2 20 152:3 159:9 161:7 168:1 169:6 178:6 205:13 209:22 $211: 821224216: 12$ 219:4 224:6 231:16 239:13 21 251:2 262:19 264:14 274:5 17 277:15 287:3 2897 319:9 326:11 328:24 332:19 34325 344:17 347:15 350:15 360:10 361:16
surprise (1) $164: 9$
swords (2) 229:11 23423
sworn (2) 5:2 6:4
system (37) 7:7 17:16 39:13 40:1 44:25 45:16 49:9 19 58:5 6 60:24 61:4 16 62:8 63:1 13 64:23 65:9 $2366: 1323683$ 113:23 114:5 119:14 156:16 196:10 234:19 263:14 320:19 325:4 344:3 15 345:4 348:5 349:2 368:6
systems (11) 1:9 4:3 686 154:18 155:11 271:1 329:18 366:7 367:8 1520
tagged (1) 347:10
take (38) 15:16 16:1 17:4 6 18:21
31:9 3824 62:17 186325
100:10 117:24 125:11 127:6 15 1386 145:20 146:17 18 148:15 $2046245: 17$ 246:6 11 274:15 2797 291:23 293:23 294:1 418 $2966321: 14335: 724341: 14$ 347:11 350:14
taken (21) 2:8 7:14 25645677 11224 125:15 150:5 209:4 24521 248:20 264:12 265:16 265:18 266:2 522 296:8 350:17 3598 364:6
takes (1) 146:23
talk (17) 11:48 62:13 70:1 125:7 144:13 197:3 210:23 224:13 261:9 273:23 274:11 1518 28221 296:21 362:11
talked (22) 79:10 146:1 152:2 $15925175: 25183: 1619320$ $193242519424196: 111723$ 19625 197:11 14 236:19 286:18 355:7 356:20
talking (38) 17:10 2123 32:17 35:2 43:15 45:11 5221 55:22 63:21 71:7 72:8 11920 122:11 13221 150:21 159:24 163:19 181:19 192:10 16 198:15 19 206:1 216:12 238:12 252:19 300:19 302:10 13 326:12 355:5 356:10 358:11 360:8 1011 36125
talks (1) 1258
teach (2) 19:11 130:12
teacher (1) 19:13
teaches (1) 130:6
teaching (1) 130:16
teachings (1) 95:16
team (1) 35123
team (1) 35123
technical (2) $782490: 13$
technol (1) 95:16
technologies (41) 1:5 5:13 31:6 41:7 4523 57:14 77:17 88:12 102:9 105:5 107:14 2210828 108:16 23 117:18 231193 139:19 154:23 155:1 3917624 220:14 221:8 223:5 224:15 225:15 234:18 256:2 $271: 1$ $2878342: 16354: 914367713$ 367:18 368:6
technology (125) 21:18 20 22:4 22:19 23:2 $724: 4720$ 25:1 10 25:22 27:12 29:12 22 30:19 25 $31: 2532: 534: 91112151922$ 35:3 $1113171836: 9113722$ 41:16 2022 42:3 1322 44:18 45:15 46:12 56:14 17 57:1 212 57:13 71:15 87:17 8824 95:8 95:19 98:1 99:37 100:21 101:4 10757 111:2 118:17 121:19 $1236126: 691285136: 21$ 1378 138:23 142:5 150:15 $1537154: 9131416211556$ 158:1 167:13 22 173:17 174:1 1762325 177:49178:11 179:14 190:8 191:4 252:3 621 255:11 256:3 257:9 258:21 259:9 $14263: 9$ 281:21 283:9 24 2957 315:24 330:16 25 331:10 339:11 342:24 345:12 $16351: 2$ 35124 352:19 23 353:2 81215 3545 360:18 369:8
tell (26) 8:1 13:11 14:11 22:7 34:17 50:24 65:9 75:15 88:21 88:23 116:11 19 125:25 133:2 135:1 7 144:15 19 155:19 156:5 159:10 190:5 17 191:2 245:12 28224
telling (11) 28:16 41:10 62:8 86:3 139:4 145:8 1533 178:13 20221 206:3 293:15
tells (2) $1393281: 19$
ten (1) $40: 11$
terence (4) 220:14 224:19 225:15 226:4
term (1) 117:4
terms (6) 99:9 100:4 231298 181:1623
test (4) 60:10 69:7 127:14 16
testified (10) 5:2 8:24 205:19 293:4 $321: 5333: 7351: 14352: 7$ 352:12 16
testify (19) 11:158660:14 70:21 175:20 $1763183: 15$ 193:7 195:23 19629 204:12 250:20 251:11 18 294:11 $3057343: 4$ 348:8
testifying (6) 196:3 202:22 229:17 270:25 3053 364:9
testimony (20) 54:8 57:21 6125 103:11 106211607 185:25 211:22 2133 249:6 319:10 339:24 340:4 341:16 1717 342:2 352:10 361:7 36521
testing (5) 130:9 1013158 133:12
texarcana (1) 4:16
texas (4) $124: 169: 7$ 281:3
text (1) 318:15
thane (3) 4:14 5:23 23
thank (24) 28:12 53:10 55:7 56:20 67 3 70:19 83:2 91:13 145:24 223:18 230:4 243:21 296:5 329:4 $6341: 1319$ 342:7 346:10 350:10 12 361:13 3622425
thats (153) 12:15 16:15 20:6 22:5 36:10 44:1 47:23 50:25 53:16 53:19 55:1 $101256: 961: 1920$ 633 65:23 69:111371:8 14 85:12 86:19 24 87:15 25 97:16 101:6 106:3 4 107:69 109:6 110:7 111:2 112:24 114 23 115:6 117:13 119:2 120:11 122:18 1272 129:20 130:14 132:14 13324 134:13 135:12 135:25 $1365137: 5141615$ 144:1 148:5 152:6 153:6 158:15 164:2 166:15 169:11 1318 171:2 21 173:11 176:15 177:17 178:11 13 181:11 2222 182:2 191:1 192:23 196:13 202:13 25 203:3 205:1 5 211:2 238:4 13 238:172395101524 240:4 17 242:6 252:1 10 253:13 254:11 255:1 258:12 260:14 262:2 12 265:21 25 266:9 267:4 273:2 274:17 2755 276:5 278:11 14 283:21 28521 286:11 291:14 291:14 2925 293:5 303:14 305:1 309:1 $415311: 7313: 11$ 313:17 314:11 318:9 23 319:2 320:18 323:13 32661823 327:10 $3292338: 621$ 342:24 346:7 347:17 350:6 35223 353:11 13 354:4 $16358: 14$ 360:5
therapeutic (1) 256:17
thereof (1) 364:13
theres (4) 120:7 139:11 2206 224:1
thereto (2) $243: 5333: 25$
theyre (3) 138:19 212:79
theyve (1) 137:15
thing (8) 55:21 22565 80:14 146:1 174:10 180:1 326:12 things (9) 46:11 150:17 151:17 154:182113320:1622 322:14 354:13
think (77) 9:18 21:1 22:17 26:12 2725 28:25 $302346: 174723$ $512352: 215621$ 57:23 58:18 61225 65:20 $7321677: 15$ 807 85:25 90:22 95:7 98:7 99:6 100:21 114:17 $24115: 920$ 116:8 118:16 119:25 122:18 124:11 127:9 131:13 140:18 141:6 151:58 152:4 156:8 157:6 159:25 160:2 14 164:11 170:15 171251897 191:1 205:25 $2142124024241: 1$ 250:14 253:14 2626 269:21 274:19 $2868288: 1521$ 294:3 322:4 326:67327:25 3286 337:23 338:1 343:22 347:14 17 356:23
thinking (1) 159:20
third (3) 3723 52:1 161:4
thirdparty (3) 152:22 1618 162:11
thought (15) 98:16 122:5 159:18 163:1 $1712523056244: 613$ 244:20 245:5 12321233227 322:18
thousand (1) 288:9
three (13) 2:9 5:11 10:24 186 22:7 23:25 32:9 34:4 40:12 48:13 119:17 121:4 192:13
$\operatorname{tim}(3)$ 186:10 12 192:4
time (92) 8:10 16:11 1313 17:5 18:18 19:17 25 21:3 22:2 5 23:1 23:16 $1724245161725: 14$ 28:1 $2529: 931: 1732: 813$ 33:20 $2244356: 9$ 65:7 69:10 69:10 72:24 73:14 74:22 75:1 75:12 77:21 25 79:25 84:14 86:9 92:15 $933495698: 710$ 107:24 129:24 142:3 149:11 19 149:25 156:17 20 157:4 158:17 160:3 162:14 1632 194:12 21 195:14 198:18 205:21 207:16 210:9 217:12 $12244: 41118$ 245:3 279:14 1920 280:10 314:4 319:19 322:14 330:7 334:13 342:17 344:17 350:10 353:20 354:15 356:23 3633 364:7
timeframe (5) 184:10 15 192:17 194:25 195:7
timeline (1) 314 :
times (3) 55:15 6223 168:24 title (3) 27:14 263:5 316:6
titles (1) 2920
today (48) 8:1 6 10:1 11:2 30:5 58:6 59:22 60:14 18 64:18 66:20 67:19 69:11 70:21 102:6 175:21 177:9 183:15 193:6 195:22 196:7 204:13 210:24 211:3 $2278247: 11$ 248:6 249:11 250:18 251:12 26122 262:9 2702527325 289:24 290:16 296:1 $3053313: 14$ 316:22 351:5 133527163547 358:12 361:8 362:11
todays (1) 197:12
told (10) 77:7 1247 131:24 132:11 135:12 138:19 159:12 1906 205:1 29023
tomorrow (1) 29222
tons (1) 146:21
tools (2) 2568 313:25
top (6) 227:19 283:12 304:14 312:6 11 315:22
topic (38) 37:15 $38360: 46125: 7$ 125:7 170:4 175:15 16181762 177:10 19 183:11 188:22 195:20 204:10 12 208:7 21021 210:23 248:3 8 249:4 251:4 18 279:25 280:5 342:12 343:13 17 343:22 346:20 2021 347:1 348:9 362:18
topics (55) 1025 58:7 25 59:10 20 59:25 60:19 151822 61:3 10 61:16 62:1 6321012 64:17 67:16 2368216192469716 69:23 70:2 520 168:23 169:7 9 183:14 2025 192:9 1320 193:2 193:9 21 195:21 24 196:8 25 197:12 15162792123 280:9 342:11 358:11
total (5) 124:11 $1516253: 15$ 264:7 267:1
totally (8) 5025 86:8 98:14 107:11 171:2 24320 279:24 293:5
touch (1) 147:12
tower (1) 30:24
track (1) $344: 1$
trademark (7) 43:5 14 44:4 81:18 82:3 21 121:16
training (26) 30:1 $6931: 5$ 125:25 126:2 111417 127:23 136:8 11 136:15 $192225137: 121619$ 146:19 147:623 148:4 15

154:18 155:11
transcribed (1) 364:11
transcript (2) 341:3 17
transcription (1) 364:13
transcripts (3) 340:20 2324
fransfer (18) 30:19 25 41:16 1922 45:456173:18 176:23 177:1 4 177:9 179:14 263:9 281:21 283:9 24
transferred (10) 842122 176:12 176:19 177:2 179:13 15 263:10 263:19 21
transmitted (1) 345:24
treymore (1) 6:22
trial (22) 9:1 $666: 21129: 17$
173:19 175:23 185:6 1021
195:46 11 314:3 322:19 332:11 33925 340:451423 341:216
trick (1) 235:18
true (16) 69:13 226:25 231:19
236210 265:25 307:14 314:11 314:14 332:5 12 334:16 340:9 340:12 346:4 7
trust (1) $86: 8$
truth (1) $8: 1$
truthful (2) 7:22 362:20
truthfully (2) 294:12 2963
try (9) 16:20 23:10 93:20 25 94:15 128:18 144:13 147:11 330:2
trying (20) 11:13 23:14 2720 28:15 60:12 85:12 25 87:4 6 116:11 1511925 159:19 169:12 190:25 193:17 195:7 2245 277:7 34922
fuesday (2) 1:18 2:11
fug (1) 16:15
turn (10) 57:5 116:9 221:15 233:8 24023 306:10 310:25 332:24
understand (98) 7:16 $20258: 49$ 8:16 31:6 35:1 $54757: 1819$ 58:371012612464:8 1121 64:23 6556625 67:10 1317 71:7 84:8 85:13 89:12 1002 101:6 106:14 17192424 111:4 111:68 $1126125: 61922$ 137:25 139:23 150:8 11 154:15 166:1581217171:22 190:15 196:3 202:11 $17206: 1621024$ 219:13 16 234:7 239:21 25 240:1 245:10 25 246:3 249:2 251:3 264:14 274:45 1925 275:6 296:12 305:1 306:4 3103 310:6 111620 312:14 313:4 314:10 $12316: 1318: 4324: 17$ 327:1 18 329:20 331:6 358:10 359:18
understanding (27) 52:6 59:19 60:20 61:9 12 68:23 69:15 87:25 116:23 1446812 159:10 259:20 266:25 267:4 274:7 275:14 276:9 277621 278:8 282:24 305:9 311:13 332:8 350:3
understood (7) 122:2 293:16 295:25 307:12 12 310:2 319:9
uni (2) 1097 247:2
united (13) $1: 1$ 14:23 15:6 12 82:20 83:4 117:11 135:8 190:6 191:3 209:12 247520
units (5) $36: 62012923174: 18$
univ (2) 62:7 $115: 11$
univer (1) 5921
universities (2) 39:25 41:18 university (591) 1:163:16 424 $5207: 47109: 612: 9161825$ 13:12 22 14:16 17:12 1619 18:17 $196111521: 162220$ 23:19 24 26:19 29:23 31:10 12 32:5 34:8 35:3 193720 39:12 39:14 15 40:1 $4101442: 415$ 42:22 4425 45:15 2425 46:6 46:13 48:18 49:9 1923 50:1 50:16 51:11 1920 53:17 21 54:11 $1855356: 12185757$ 57:16 58:4 559521 60:24 61:4 61:15 6227 63:1 1321 64:16 64:18 23 65:4 8212325662 66:12 23 67:17 68:2 7257022 74:8 25 75:7 25 77:24 78:13 19 84:6101190:4162591:719 91:25 $9259192493: 794: 21$ 94:23 95:1512132196:3815 97:6 13189822225 99:13 100:5 15 101:3 1223 102:8 12 102:15 105:2 71014171822 105:25 106:7 107213 108:1 7 108:14 22 109:8 110:9 111:6 11 111:1725 112:20 25 113:5 22 114:410132225115:1013 116:8917117:5 1722 118:27 118:15 17 119:1 1420 120:3 4 120:20 25 121:8 20 122:3 1237 123:15 25 124:8 1723 126:6 9 127:20 128:5 129:14 130:10 15 131:21 132:579 134:14 136:9 136:17 1922 137:18 1821 138:16 2022 139:18 140:10 11 140:12 222314123 142:16 143:7 144:6 145:5 146:2 18 147:4723148:131622149:6 149:12 14202215261417 153:24 154:23 155:19 1565 157:17 158:4 11 161:25 1023 162:69 152021 163:25 164:19 165:4 18 166:1 21 167:12 20 168:8 17 170:1 13 172:1 11 173:3 $31523174: 1791112$ 174:1920251752571020 176:124141822179:91805 181:3 182:49 14201836 185:8 15202418624 187:8 188:5 14 189:2 1324 190:5 17 191:2 1118 192:3 193:178 194:11 $20195: 131523$ 196:1 3 196:4919723198:10231995 199:15 200:1 10 201:39 15 202:24111322203:151319

2047 205:15 207:2 4102025 2088142122 209:4 61024 20925 210:2 $916211: 71117$ $21121212 \cdot 151115213.27$ 21321 214:9 $1022215: 915$ $217318218: 5111322$ 220:15 $22023221: 9$ 223:6 224:15 20 225:17 226:15 227:1 5 229:13 229:18 231:20 25 232:16 234:17 235:21 236:3 1122 237817 238:39 16 239:4 14 $240351115241: 4244: 512$ 244:19 245:4 11 246:6 1622 247:4712192487151924 249378 250:21 253:19 2546 25479152525624 259:19 263:19 265:3 924 266:1 10 26726 268:6 1220 269:6 270:9 20 271:10 25 272:9 19 2733 275:15 22 276:14 2223 2777 278:4 283:12 284:17 2853 287:5 6721 288:16 17 288:19 212324 289:3 12 296:17 297:39 152124 298:4 298619242995101422 $300623301: 18916$ 302:2 4 302:18 303:23 304:25 305:2 3065 307:49 309:4 15 310:4 7 310:12 $1721311: 15312: 14$ 314:4 316:2 319:12 327:23 328:1 9 331:17 24 339:10 340:8 340:13 341:12 342:3344 315 34725 348:4 1919 349:2 351:9 35121 353:14 21 356:6 357:5 357:15 2325 358:18 25 359:7 9 359:12 161923 360:1 24 36121 362:1 1321 366:5 810 $367612173685369: 12$
universitys (12) $118: 19$ 166:15
2118 237:6 240:10 338:9 23 352:17 223536 361:23 362:2
unknowingly (1) 324:25
unrelated (1) 171:2
unsigned (1) 231:23
update (1) 76:6
upwards (1) 114:23
url (2) $312: 12315: 22$
use (63) 6:11 88:14 17188935 16223 170:10 171:6 27920 301:10 17 302:1 422233038 30324 305:16 319:11 15 320:7 320:9 18192032152024 322:10 1232328101321 $324: 9325: 3510161822$ 3262314172022 327:3 56 327:10 337:14 1620 338:18 339:11 342:13 15 343:16 346:3 354:13
useful (2) 41:14 15
user (1) 44:21
users (1) $305: 13$
uses (10) 131:10 135:8 166:21 172:12 299:15 23 300:7 302:18 32022 322:11
usual (1) $76: 8$
usually (8) $27: 18$ 50:12 86:4
$12125124: 10178: 532020$ 34520
utilize (2) 31:5 161:23
vacant (1) 327
vaccine (2) 255:17 256:15
vaguely (1) 328:23
valid (5) $23624237: 915$ 238:1 1 validity (8) $222: 5$ 228:4 230:22

233:17 237:19 248:12 24 249:9 valuing (1) $351: 1$
vangard (1) 99:18
vanguard (5) 99:17 211012 360:14 15
varieties (2) 256:9 258:12
variety (4) 258:11 17 261:17 351:4
various (1) 345:23
vc (1) $98: 9$
venture (7) 98:10 12 99:12 20 101:1 178:14 360:12
verbatim (1) 364:9
verdict (1) 72:9
veritext (1) 5:10
versions (1) 345:21
versus (4) 5:13 234:18 271:1 368:6
veterinary (2) 257:20 23
vice (1) $41: 3$
video (4) 57820 282:18 322:21
videographer (26) 4:23 5:5 8:21 $64366758125: 1316$ 150:36 219:6 102332325 245:19 22 279:11 280:19 29679 329:9 11 350:16 18 363:1
videotaped (1) 1:15
view (3) 270:8 328:10 3577
viewed (1) 201:8
viola (34) 173:7 1842124 185:19 185:16 $25186: 2018761010$ 187:15 22 188:8 $15189: 414$ 190:1 16 191:13 201925 193:22 194:13 22 195:16 351:10 18 357:6 7 358:2 20 359:2 362:14
visa (1) $15: 16$
visit (1) 15:16
visiting (1) 49:24
voelker (2) 225:4 341:10
voice (2) 282:13 18
vs (1) $1: 8$
w3c (6) 327:16 182124 328:2 10
wait (2) 87:9 292:25
waiving (1) $75: 19$
want (53) 10:24 15:16 24:19 30:18 37:17 54:7 57:20 66:21 69:11 7523 77:16 8521 117:7 127:13 136:2 145:25 151:15 152:3 157:4 159:9 16 160:7 1786 180:12 20122 205:12 214:6 224:13 271:10 2745151720 276:1 277:14 $16279713280: 9$ 291:23 2922 304:15 319:9 323:9 329:7 337:19 347:15 349:21 350:14 353513 360:9 361:6
wanted (5) 6:18766 $11150: 17$ 360:17
warranty (6) 222:3 227202282 230:20 233:15 237:4
wasnt (4) 107:9 155:23 192:15 203:1
way (31) 16:21 32:19 78:3 79:6 81:1995:18965111:1825 112:20 129:15 1486 161:21 215:22 217:4 260:3 261:12 16 261:17 266:19 311 24 320:10 320:12 15 322:8 327311 344:25 35225 353:11 361:6 ways (2) 6:18 320:21
web (17) 87:21 22 89:10 933 171:14246232757300:21 312:8 315:22 327:19 328:19 337:17352 22 353:1 717
webbased (1) 155:12
website (17) 139:8 146:22 2323 148:7 167:8 170:21 171:1 513 171:24 196:1433831025 369:47
websites (3) 1475 170:14 349:23
wed (3) 232:5 287:19 3626
wednesday (1) 314:23
week (2) 47:25 127:13
wei (36) $172: 21 \quad 173: 11621 \quad 174: 3$ 175:6 184:8 $1717186: 141517$ 186:19 187:9 231898 190:6 191:3 1320 193:22 19422 195:15 3515182135620 357:2 14 358:1 19 359:3 921 360:2 361:21
weinstein (5) 20:19 2224 21:4 79:12
weis (4) 18625 188:7 351:10 362:4
went (16) 54:17 85:13 181:15 201:12 15 204:15 22 205:2 45 208:5 265:3 8 285:9 329:21

338:24
weve (16) 47:12 5222 69:10 189:20 196:22 219:19 24125 243:15 25 252:9 260:17 289:15 291:16 20 345:23 355:16 whats (17) 20:4 25:18 31:4 220:2 222:23 239:16 240:1 255:23 257:7 2582127820 281:8 306:21 312:5 31520 346:11 355:21
whatsoever (2) 131:11351 21 whereof (1) 364:17
widely (1) 320:18
willfulness (1) 343:14
willing (2) $317: 20348: 1$
wish (2) $13920322: 13$
withdraw (1) $211: 4$
withheld (1) 20821
witness (471) 9:12 19117 13:23 19:8 22 23:12 24:14 25:5 2620 28:7 21 35:10 36:1 6 37:6 38:13 38:21 39:21 40:7 41:13 428 44:20 45:3 18 46:17 48:15 23 49:6 50:9 19 51:16 23 52:17 19 53:8 13 54:1 205551624 57:9 57:23 62:13 65:13 66:9 672 70:9 16 73:4 $8742075: 18772$ 78:22 81:9 21 82:13 1825837 83:19 2485817 86:3 1921 87:1 815 89:2 122025 90:12 90:20 91:4 1022 92:3 1222 93:23 94:4 $10121996: 121$ 97:4 $1298: 1999: 5231002$ 101:6 102:1 103:4 106:11 1085 108:12 19 109:1 1324 110:4 13 110:19 24 111:15 20 112:3 923 113:8 $1825114: 717115: 4$ 116:1 $1521117: 2118221196$ 119:11 120:7 121211241225 123:18 124:21 125:3 126:25 128:1 $13081924131: 413$ 132:4 14 133:10 21 134:2 1118 134:23 135:11 22 136:25 138:2 138:19 139:7 23 140:4 151416 141:13 142:2 $12143: 1320$ 144:4 17 145:13 147:10 148:1 148:18 149:17 152:10 20 153:10 19 154:2 155:11 23 156:15 157:14 158:7 160:10 25 162:14 163:4 101646141658 165:14 22 166:25 167:16 25 169:7 20 170:46172:5 17 173:11 174:5 $1423175: 10$ 176:6 177:13 179:1 12 180:12 182:6 111723 185:12 18 186:4 186:22 187:13 188:2 111896 189:20 190:3 1123 191:9 16 192:22 193:4 12 194:16 1953 195:10 18 197:14 198:1 14 199:9 200:12 212028 203:8 16 203:24 204:20 205:20 206:16 207:8 1523 208:4 11 209:1 210:7 $14211: 51625$ 212:20 213:12 19 214:2 17 215:18 216:6 218219 219:1 227:16 228:23 230:5 23123 232:3 20 235:25 236:14 237:24 238824 239:9 21 240:10 21 243:19 244:9 $1624245: 816$ 246:9 247:17 250:13 24 252:21 253:4 254:2 255:14 212566 257:3 12 257:19 258:11 259:2 17 260:1 5 260:11 24 261:6 1424 262:12 265:6 13 266:5 1426825 271:22 272:6 1324 273:8 1215 273:22 274:10 275:3 1119 276:11 18 277:3 1223 278:11 279:1 3 280:11 2818 282:10 11 282:16 283:2 16 284:9 192856 285:15 21 286:3 25 287:10 289:2 18 290:1 292311 296:5 296:20 297:6 1218 298:11 16 299:20 300:3 1130161422 302:10 1523 304:4 306:2 820 306:25 307:7 19 308:4 111823 309:24 310:9 1423 311:11 19 $312: 23313: 21119314: 1017$ 315:6 $11316: 183178131923$ 318:9 2125 319:6 15 322:18

324:12 2124 325:12 2025 326617 327:9 328:6 1418 3296 330:4 331213213323 332:15 333:13 334:11 335:18 336:13 337:4 338:16 339:4 14 33922 340:17 341:18 20 343:3 $3437171822344: 1123$ 345:10 203467 347:16 2022 350612 352:25 353:1 120 357:11 358:7 359:5 153605 361:14 362:18 364:17
witnesses (3) 341:47 364:8
wondering (1) $354: 13$
word (7) 141:20 20 262:3 399 2747
wording (2) 49310
work (18) 18:4 242023 42:21 52:2 57:4 116:11 $1296139: 11$ 150:14 154:5 199:10 32178 337:15 338:7 21 339:17
worked (4) 153:7 24 177:8 231:15 workers (1) 347
workforhire (1) 49:24
working (10) 17:15 31:17 126:3 135:1 1 154:17 160:19 161:3 25 2613 344:2
works (1) 138:25
world (1) 95:23
worldwide (3) 246:23 327:19 328:19
wouldnt (9) $129: 19$ 135:1 148:12 148:12 164:9 180:20 232:18 259:10 325:5
write (1) 178:8
writing (6) 243:5 280:22 33325 335:10 336:8 23
written (9) 77:3 2121 78:2 293:25 294:17 295:4 621
$x(5) 365: 1366: 1367: 1368: 1$

23:16 18 24:4 522 28:15 1617 29:18 43:12 15 45:23 5920 60:14 $182261: 1025628$ 64:11 2265322 66:21 67:13 69:13 70:1 14 75:4 4 83:25 84:1 84:2 9 90:12 106:14 19 112:16 115:20 119:8 1215 122:11 20 123:23 125:6 22 129:1 141:2 142:24 148:5 150:11 152:5 13 153:1 31562 157:14 159:20 164:2 165:11 168:9 24 169:6 181:19 191:25 196:3 198:14 19 202:21 22 204:12 206:3 21024 219:16 234:7 $2357246: 32492$ 251:3 11 266:19 279:19 28122 289:7 294:9 14 296:13 305:2 329:20 339:20 345:25 356:10 358:11 12
youtube (20) 3:12 6:1 105:15 108:15 111:24 112:19 1135 182:14 218:23 244:20 297:9 15 299:6 11 300:6 19 307:16 3193 322:10 15
youve (9) 64:15 68:16 80:22 125:25 127:3 138:14 163:16 187:19 235:6
yudof (6) 217202123 218:10 16 218:21

| zeros (2) 220:6 24923 |
| :---: |


| 0 |
| :---: |
| $00(41) 11: 212144202545: 15$ | 45:10 1520 87:20 25 88:1 510 146:20 25 147:1 51015 154:10 154:15 2025 155:1 $5259: 1015$ 259:20 25 260:15 1015 314:15 314:20 25 315:15 1015

000 (7) 121:12 145:4 2073 208:22 288:111314
000773 (2) $225: 9366: 16$
001336 (2) 225:23 366:17
001336 (2) 225:23
001338 (1) 225:24
001338 (1) 225:24
001676 (3) 223:24 224:16 366:16
001685 (1) 227:13
001717 (1) 224:16
001718 (1) 224:25
001721 (2) 224:2 25
003621 (1) $366: 14$
00782 (1) 225:10
00am (18) 6:1 8:10 32:10 43:15 48:10 535 70:10 71:20 86:1 93:1 20 95:1 9620 105:25 110:25 131:15 132:20 1425
00pm (17) 187:5 195:5 206:20 217:1 221:10 $24725256: 15$ 259:10 280:1 289:10 298:15 309:20 319:15 321:15 34025 352:25 360:5
01 (35) 45:25 46:1 5101520 88:15 2025 89:1 $5147: 2025$ 148:151015155:10152025 156:1526020261:151015 261:20 262:15315 2025 316:1 316:5
01am (18) 16:15 22:1 $2025: 5$ 33:5 34:20 4525 51:25 5625 60:15 79:1 88:15 98:20 9920 101:20 116:10 122:1 130:5
01pm (12) 178:20 181:10 183:15 189:5 284:5 300:20 301:25 325:25 335:10 345:25 353:1 361:10
02 (43) 46:25 47:1 510152025 48:1589:1015202590:1510 90:15 148:20 25 149:1 51015 156:10 152025 157:1 262:10 262:15 $2025263: 15316: 1015$ 316:20 25 317:15 101520
026750 (3) 226:9 366:17 19
026755 (1) 226:10
02am (11) 1125 14:10 15:10 40:20 4420 65:20 98:1 100:25 106:1 115:1 124:10
02pm (27) 154:10 1575 164:25 165:1 170:25 20125 203:5 210:10 $211: 10228: 1522920$

2365 237:10 239:1 247:1 254:5 267:15 268:15 271:20 287:25 290:15 292:5 304:15 3075 3125 326:25 341:1
03 (38) 48:10 $152049: 1510$ 90:20 $2591: 1510152025$ 92:1 149:20 25 150:1 45 157:5 157:10 152025 158:1 5 263:10 263:15 $2031725318: 151015$ 3182025 319:1
03am (17) 10:25 12:1 38:10 39:20 42:10 46:1 52:1 55:20 625 80:25 81:1 82:5 109:15 113:20 117:10 118:10 144:10
03pm (31) 146:20 151:1 166:15 16725 173:15 190:10 193:10 198:15 204:10 213:15 214:15 224:1 227:15 232:5 241:1 248:1 25220 258:5 260:20 262:10 280:15 281:25 288:1 302:1 314:15 322:10 344:20 346:1 35125 352:1 362:15
04 (27) 49:15 2025 50:1 510925 92:10 $152025158: 10152025$ 159:1 $5263: 25264: 151015$ 2642025 265:1 319:5 10
04853364 (2) 304:10 368:21
04am (8) 21:10 36:10 57:1 6320 67:20 70:15 86:5 119:15
04pm (21) 158:10 160:10 168:1 18425 186:5 224:25 26325 264:1 270:15 274:25 282:1 2885 297:15 305:25 316:10 3235 327:1 332:15 349:15 357:15 358:25
05 (32) 50:15 $202551: 151015$ 51:20 93:1 $51015159: 1015$ 1592025 160:1 $5265: 51015$ 2652025 266:1 510 319:15 20 $31925320: 1510$
05am (9) 5:5 9:25 $462547: 1$ 76:20 84:20 89:10 112:10 13320
05pm (19) 171:1 17620 180:10 185:1 191:15 202:1 209:10 212:15 255:10 265:5 266:15 277:15 306:1 309:25 3115 320:15 325:1 338:20 361:15
06 (35) 51:25 52:1 510152025 53:1 $93202594: 15101520$ 94:25 160:10 152025 161:1 5 161:10 266:15 2025 267:1 510 320:15 $2025321: 1510$
06am (18) 8:15 11:1 24:5 46:5 49:15 53:10 72:20 7725 90:20 92:5 95525 96:1 98:25 102:20 126:15 135:10 143:10
06pm (22) 155:10 162:15 1755 182:15 192:10 195:10 206:25 231:10 240:15 245:25 252:25 26720 273:15 276:10 280:5 28620 299:15 319:5 32325 34325 350:15 359:1
07 (31) 53:5 $1015202554: 1510$ 95:15101520161:152025 162:15 $10267: 10152025$ 268:1 $510321: 152025$ 322:1 3225
073 (2) 26324 267:2
07am (11) 10:1 16:20 1725 28:15 78:1 9925 101:1 111:1 129:10 14025 141:1
07pm (19) 148:20 160:15 16325 16920 177:25 205:10 207:1 208:10 217:5 218:20 24420 246:1 248:20 261:1 275:1 $31920334: 15336: 15348: 5$
08 (35) 54:15 $202555: 151015$ 95:25 96:15 $1015162: 1520$ 16225 163:15101520219:10 219:11 15 268:15 2025 269:1 5 269:1015322:10 152025 323:1
0809 (3) 284:4 285:13 19 08am (11) 34:25 35:1 3925 54:15 59:15 75:5 79:5 93:25 99:1 13225 136:15
08pm (21) 149:20 152:5 161:15 190:15 200:25 219:20 230:20

236:10 2395 253:1 26820 280:20 284:10 28520 310:1 313:10 326:1 330:10 341:5 342:25 36220
$09(33) 552056: 15101520$ $96202597: 1510152025$ 163:25 164:1 5101520 219:20 219:25 220:1 5 269:20 25 270:1 270:5 103235101520

## 09010 (1) 2852

09am (12) 18:1 19:20 27:15 43:20 50:15 67:5 69:1073:25 1055 108:20 123:10 13825
09cv00445led (1) 1:8
09pm (18) 164:1 166:20 178:1 197:5 199:20 228:25 237:15 245:20 289:15 3065 317:25 324:1 327:25 333:10 335:15 344:1 350:25 352:5

1 (433) 1:24 26:10 58:19 59311 59:16 60:4 15 67:17 23 69:4 $705125: 814154: 10152025$ 155:1510152025156:1510 156:15 $2025157: 15101520$ 157:25 158:15 10152025 159:1510152025160:1510 160:152025 161:15101520 161:25 162:15 10152025 163:1510152025164:1510 164:15 $2025165: 15101520$ 165:25 166:15 10152025 167:1510152025168:1510 168:152025169:15101520 169:25 170:15 10152025 171:1510152025172:1510 172:15 $2025173: 15101520$ 173:25 174:15 10152025 175:1510151515161818 175:192025 176:125 1015 176:2025 177:1510101519 177:2025 178:1510152025 179:1510152025 180:1510 180:15 2025 181:1 5101520 181:25 182:15 10152025 183:1510152025 184:1510 184:152025 185:15101520 185:25 186:15 10152025 187:15 $510152025188: 1510$ 188:15 $2025189: 15101520$ 189:25 190:15 10152025 191:1510152025192:1510 192:15 $2025193: 15101520$ 193:25 194:15 10152025 195:1510152025196:15 10 196:152025 197:15101520 197:25 198:15 10152025 199:15 10152025 200:1 510 200:15 2025 201:1 5101520 201:25 202:15 10152025 203:15 10152025 204:1 510 204:15 2025 205:1 5101520 205:25 206:15 10152025 207:15 10152025 208:1 510 208:15 $2025209: 15101520$ 209:25 210:15 10152025 211:15 $10152025212: 1510$ 212:15 $2025213: 15101520$ 213:25 214:15 10152025 215:15 $10152025216: 1510$ 216:15 $2025217: 15101520$ 217:25 218:15 10152025 219:1 57 220:3 2222 228:2 230:19 233:15 24222 245:10 249:23 25559 280:6 28123 285:4 305:11 311:1 333:15 346:20 36420 366:4
10 (330) $1: 18$ 2:11 20:25 217 38:15 44:20 25 45:1 5101520 $452546: 1510152025$ 47:1 5 47:10 $15202548: 15101520$ 49:1 $51015202550: 151015$ $50202551: 1510152025$ 52:1510152025 53:151015 532025 54:1 510152025 55:1510152056:15101520 $56252557: 115510101515$

57:20 20 58:1 1510152025 59:15 10152025 60:1 51015 60:20 $2561: 151010151620$ 61:25 62:1151015202563:1 63:25101115202564:145 64:6 10152025 65:1 51015 65:20 25 66:1 510152025 67:15 681015202325 68:1 68:5 10152025 69:1 51015 69:20 $2570: 1510152025$ 71:151015202572:151015 72:20 $2573: 1510152025$ 74:151015202575:151015 75:20 $2576: 1510152025$ 77:15 $1015202578: 151015$ 78:20 $2579: 1510152025$ 80:151015202581:151015 81:20 82:15 10152025 83:1 5 83:10 $15202584: 15101520$ 84:25 85:1 510152025 86:1 5 86:10 $15202587: 151015$ 98:1 $51015109: 2216425$ 165:15 $10152025166: 1510$ 184:18 195:21 24 196:8 25 208:7 220:10 152025 221:1 5 234:11 12 235:20 236:6 1017 249:23 269:15 1718 270:15 20 270:25 271:15 1015 276:20 323:25 324:1 510152025 345:5 368:4
100 (3) 110:17 22 216:25
10036 (1) $3: 7$
104 (1) 365:23
10am (14) $26: 1034: 5$ 38:15 48:15
58:5 62:10 74:1 96:25 100:1 115:5 118:15 1225 131:20 133:1
10pm (12) 1832025120 256:20 271:25 282:5 292:10 304:20 308:15 351:1 3545 356:10 360:10
10th (1) 56
11 (417) 58:5 101520 61:10 16 62:1 63:2 116724 87:20 25 88:1 510152025 89:1 51015 89:20 25 90:1 510152025 91:151015202592:151015 92:20 $2593: 1510152025$ 94:15 $1015202595: 151015$ 95:20 25 96:1 510152025 97:151015202598:151015 98:20 $20252599: 11551010$ 99:15 152025 100:1 51015 100:20 $25101: 1510152025$ 102:15 $10152025103: 1510$ 103:15 2025 104:1 5101520 104:25 105:1 510152025 106:15 10152025 107:1 510 107:152025 108:15 101520 108:25 109:15 $101520110: 1$ 110:5 $10152025111: 1510$ 111:152025 112:15 101520 112:25 113:1510152025 114:15 $10152025115: 1510$ 115:15 $2025116: 15101520$ $116: 25117: 1510152025$ 118:1510152025 119:1510 119:152025 120:15 101520 120:25 121:1510152025 122:15 $10152025123: 1510$ 123:15 $2025124: 15101520$ 124:25 125:15 1014151720 125:25 126:1510152025 127:1510152025 128:15 10 128:15 $2025129: 15101520$ 129:25 130:15 101520 131:1 131:5 $10152025132: 1510$ 132:15 $2025133: 15101520$ 133:25 134:1510152025 135:15 10152025 136:1 510 136:152025137:15101520 137:25 138:1510152025 139:1510152025140:1510 140:152025141:15101520 141:25 142:1 510152025 143:15 $10152025144: 1510$ 144:15 $2025145: 15101520$ 145:25 146:151015 166:1520 166:25 167:15101520195:21

19524 196:8 197:1 204:10 13 221:10 152025 222:1 510 2362 249:12 16 250:2 11 $25124255: 510259: 527120$ 27125 272:15 10152025 273:1510325:15101520 368:9
11am (11) 15:15 29:20 42:15 60:20 6325 88:20 101:25 106:5 130:10 139:25 145:20
11pm (28) 157:10 165:5 168:5 17825 188:10 197:10 201:1 211:15 213:20 214:20 229:1 242:15 243:20 247:5 258:10 259:15 264:5 265:10 26620 26725 270:20 283:10 295:10 311:10 318:1 328:1 343:1 34425
12 (110) $112158: 2559: 1510$ 61:10 16 62:2 $63: 2116724$ 99:20 25 100:1 5101520 1462025 147:15 10152025 148:1510152025149:1510 149:15 $2025150: 14561015$ $1502025151: 1510152025$ 152:15 $10152025153: 1510$ 153:152025 154:1 5 167:25 168:1510152025 169:15 10 169:15 222:15 2025 223:1 5 250:13 1425123 258:22 259:12 262:15 16 263:23 264:7 266:12 273:15 2025 274:1 510 274:15 20 278:15 313:24 32525 326:1 5101520 364:20 368:13
12am (22) 7:5 8:20 10:5 22:25 25:10 3020 31:20 40:1 41:10 69:15 7020 72:25 73:1 75:10 82:10 94:1 109:20 112:15 13325 137:20 139:1 142:10

278:1 $5101520304: 59$ 308:14 329:59 1036821
150 (3) $121: 24$ 122:14 288:13
157 (1) 242:14
15am (12) 6:5 11:5 24:10 37:10 68:15 7125 75:15 83:15 89:15 90:25 121:1 135:15
15pm (24) 147:20 17320 181:15 183:25 189:10 195:15 2025 205:15 209:15 218:25 219:1 224:5 230:25 23425 235:1 276:15 278:25 280:10 292:15 294:1 296:10 $31620349: 20$ 361:20
16 (42) 62:5 $1015202563: 1510$ 63:15 105:5 101520 173:15 20 173:25 174:1 51022525 226:1 226:5 10 242:17 22 245:10 278:25 279:15 1011152025 312:2 6333215 334:21 335:5 364:20 369:4
160 (1) 622
1685 (1) $227: 16$
16am (16) $17: 1$ 33:10 35:5 36:15 40:25 4220 47:5 50:20 53:15 61:15672576:25975 139:5 141:5 144:15
16pm (16) 162:20 172:15 176:25 179:5 186:10 19925 220:1 231:1 253:5 277:20 289:20 325:5 326:5 329:15 348:10 357:20
17 (31) 63:20 25 64:1 45 105:25 106:1510152025 107:15 174:15 2025 175:1 226:15 20 226:25 227:1 510 280:1 510 315:17 21 365:17 369:7
17am (15) 4325 56:5 62:15 645 68:1 72:1 74:5 77:194596:5 115:10 121:5 123:15 126:20 136:20
17pm (35) 146:25 158:15 160:20 164:5 165:10 168:10 190:20 193:15 195:25 198:20 2015 207:5 208:15 233:10 237:20 239:10 240:20 243:25 246:10 257:1 258:15 2755 297:20 300:25 304:5 30820 310:5 321:20 324:5 3285 338:25 339:1 341:10 3435 359:5
18 (29) 107:10 152025 108:1 5 108:10 $15175: 5101520$ 227:15 $2025228: 1510280: 15$ 280:20 25 281:15101520 346:12 15 369:11
181 (1) 285:4
185746 (1) 220:6
185778 (2) 242:9 15
185787 (1) 220:9
185787 (1) $220: 9$
185788 (1) $221: 3$
185791 (3) 220:7 22137
1875 (1) $221: 17$
18am (15) 1925 22:5 28:20 41:1 44:1 52:5 64:10 78:5 80:5 81:5 102:25 105:10 108:25 13725 140:1
18pm (19) 184:1 200:1 217:15 223:10 226:20 229:25 232:15 286:25 302:10 303:15 306:10 318:5 319:25 32020 327:5 331:15 334:20 335:20 36225
18th (2) 59:7 222:25
19 (25) 20:13 96:10 108:20 25 109:1 $510175: 25176: 1510$ 176:15 228:15 20 281:25 282:1 282:5 $1015329: 11152025$ 330:1 5
1900 (1) $3: 16$
1980s (2) 149:11 163:24
$1980 s(2) 149: 1$
1983 (1) $14: 6$
1985 (1) 14:22
1989 (1) 14:22
1990 (2) 149719
1990s (1) 163:24
1991 (1) 14824
1992 (1) 14823
1993 (2) $14823149: 7$
1994(7) 156822 157:10 158:8
$18121252: 1118$
1994108(5) 262:25 263:1 413 368:14
1994b08 (2) 263515
1995 (25) 14:20 17:11 $17149: 19$ 220318 224:21 241:11 21 $242621244: 141118245: 3$ 25357 333:9 334713 335:23 33622 344:4 9
1996 (4) 252:14 253:1 1113
1996 (4) $221: 1112225: 4$
1997 (3) $22: 1121: 2422: 25$
1998 (8) 20:15 $21: 24222: 252236$ 225:14 $16229: 14243: 15$
1999 (3) 186:1 226:3 5
19am (15) 23:5 58:10 5925 66:5 82:15 84:25 85:1 91:1 100:5 1015 107:15 119:25 1345 138:1 142:15
19pm (16) 147:1 156:10 175:25 196:1 214:25 225:25 2355 236:15 241:20 244:1 279:1 29920 304:25 313:20 354:10 356:15
1st (1) $221: 12$

2 (280) 60:6 $15672368: 6920$ 69:1 1623 70:2 125:17 175:15 219:10 11152025 220:1 510 220:15 $2025221: 15101515$ 221202325 222:1 251015 2222025 223:1510152025 224:15 10152025 225:1 510 225:15 $2025226: 15101520$ 22625 227:151015202225 228:1 $2510152025229: 15$ 229:10 $152025230: 151015$ 230:15 $192025231: 151015$ $2312025232: 1510152025$ 233:1510101515 202325 234:1 1510152025 235:1 5 235:10 $152025236: 151015$ $2362025237: 1510152025$ 238:15101520239:151015 2392025 240:1 510152025 241:15 10152025 242:1 510 242:15 $2025243: 15101520$ 24325 244:15101520 245:1 245510152020202325 246:15 10152025 247:1 510 247:152025248:14551015 2482025 249:1510152025 250:1510152025251:145 251:10 15182025 252:1 510 252:15 $2025253: 15101520$ 25325 254:1510152025 255:15 $10152025256: 1510$ 256:13 15152025 257:1 510 257:15 $2025258: 15101520$ 25825 259:1 5 265:17 267711 $2706271: 633421$ 335:5 342:8 3667
20 (30) 109:15 $20110: 151015$ 11020 176:2025 177:15 1015 17720 213:4 228:25 229:1 510 229:15 282:20 25 283:1 5
2000 (15) 20:15 16212425 24:24 25:23 24 27:1 $1128: 32925$ 30:8 31:14 95:23 153:8
20002005 (1) 195:1
2001 (4) 20:16 22:24 $2321226: 13$
2002 (18) 22:2 9131824246 28:1 $429: 121531: 1832: 1$ 153:10 $121425345: 1216$ 2003 (2) 195:7 16
2005 (3) 9523 186:2 243:15 2007 (5) 13:15 72:373:4 62646 2008 (35) 71:4 2123732616 80:3 8422 177:3 230:2 35812 241:18 242:1 $21244: 141118$ 2453 263:17 21 267:11 307:22 308:9 321:16 333:9 334:7 13 33523 336:23 337:11 354:19 20082009 (1) $283: 19$
2009 (31) 80:7 $91084: 2393: 13$ 93:21 94:28 $172595: 715966$ 96:10 19 97:1 2025919

213:25 21423 263:17 283:19 297:21 298:4 1924299510 303:21
20092010 (4) 27825 281:19 282:2 285:24
2010 (8) 201:23 202:24 205:8 208:12 15 213:5 2146 283:19
2011 (16) 59:7 14223143211 201:25 205:11 20823 213:16 234:24 25 270:17 312253135 318:16 23 368:17
2012 (10) $1: 182: 11$ 5:6 9:2 314:4 317:1 $17318: 17365: 2$
20am (10) 11:10 26:15 54:20 86:1099:5 109:1 110:1 122:10 125:25 129:15
20pm (24) 152:10 161:20 170:5 177:1 180:15 192:15 194:10 216:5 225:5 226:1 227:20 229:5 230:1 250:15 261:10 268:25 272:5 273:20 280:25 287:1 320:1 346:25 360:15 363:1
21 (32) 110:25 111:15 101520 111:25 112:1 5 177:25 178:15 178:10 15 229:20 25 230:1 510 230:15 283:10 152025 284:1 331:10 152025 332:1 510

## 212 (1) $3: 8$

219 (1) 366:9
21am (19) 8:25 12:10 17:5 20:1 24:15 45:5 46:10 49:20 64:15 66:10 73:5 77:5 95:10 114:5 117:15 120:1 124:25 130:15 133:5
21pm (30) 148:25 149:1 159:10 171:10 176:1 178:5 19120 197:15 203:15 20420 210:20 212:25 215:1 241:5 2455 248:5 254:15 2575 262:15 269:1 277:25 281:1 287:5 307:15 311:15 312:10 33220 347:1 351:5 355:5
21st (4) 312:25 $3135318: 1623$
22 (43) 2:115:56 10152025 112:10152025113:151015 178:2025 179:1510152025 180:1 5 230:20 25 231:1 5 284:5 10152025 285:1 510 285:15 332:15 2025 333:1 5
222 (1) $366: 13$
223 (1) $366: 15$
228 (2) $366: 193675$
228 (2) (10) 6:10 21:15 40:5 48:20
22am (10) 575 102:5 103:1 106:10 141:10 144:20
22pm (13) 153:15 166:25 179:10 185:10 21720 220:15 231:15 239:15 282:10 2945 305:1 308:25 31520
23 (39) 6:1 $5101520257: 1$ 113:2025 114:1510152025 180:10 152025 181:15 231:10 231:15 $2025232: 12852025$ 286:151015333:1015 2025 334:1 510
231 (1) 367:11
232 (1) $367: 16$
234 (1) $368: 4$
23am (9) 9:1 2825 50:25 60:1 79:15 89:20 118:20 125:1 15
23pm (33) 157:15 158:20 164:10 167:1 168:15 174:20 175:10 184:5 187:15 190:25 193:20 207:10 21120 224:10 234:5 251:25 252:1 259:20 265:15 276:20 288:15 28925 290:1 301:1 309:1 310:10 323:10 330:15 342:10 343:10 344:5 346:5 353:10
24 (41) 7:5 10152025 8:1 5 115:1510152025 116:15 181:10 $152025182: 1510$ 232:5 $10152025233: 15$ 286:20 $25287: 15101520$ 334:15 2025 335:1 5
249 (1) 368:9
24am (20) 5:10 7:10 10:10 18:5 1825 19:1 23:10 29:25 31:25 35:10 38:25 41:15 70:25 7520

91:5 111:10 112:20 126:1 131:25 135:20
24pm (20) 1802018225 209:20 213:1 2372525520 266:25 270:25 292:20 295:15 296:15 302:15 322:15 326:10 328:10 333:20 339:5 3405 345:5 357:25
25 (44) 8:10 $1520259: 151015$ $920116: 10152025117: 15$ 121:25 122:15 182:15 2025 183:15 $10233: 10152023$ 287:25 288:15 10152025 289:1 5 335:10 152025 336:1 336:5 10 365:15
250 (1) 288:11
2551000 (1) 4:17
25am (15) 25:15 27:20 30:25 47:10 51:1 52:10 62:20 71:1 83:20 87:20 92:10 100:10 116:20 128:20 145:25
25pm (18) 14925 165:15 191:1 196:5 20820 233:15 258:20 262:20 272:10 273:25 278:1 281:5 283:15 28420 290:25 316:25 336:25 337:25
26 (34) $92510: 15101520$ 117:10 152025 118:1 5 183:15 183:20 25 184:15 101520 289:10 152025 290:1 510 336:15 2025 337:1 51015
262 (1) 368:13
26am (17) 12:15 15:20 29:1 32:15 33:15 34:10 37:15 68:5 20 80:10 81:10 93:10 94:10 107:20 110:5 121:10 132:1
26pm (20) 150:1 171:15 183:1 186:15 192:20 201:10 202:10 205:20 223:15 242:20 245:10 247:10 274:1 2905 291:1 298:25 314:25 346:10 352:10 358:1
27 (44) 10:25 11:15 101520 118:10 $152025119: 1510$ 184:25 185:1510152025 186:1 $23325234: 1151015$ 234:20 290:15 2025 291:15 10 291:15 2025 292:1 337:20 25 338:1 51015
271 (1) $365: 15$
273 (1) $264: 7$
276 (1) 365:16
278 (1) $368: 16$
279 (1) 253:15
27am (10) 30:1 39:1 40:10 54:25 60:25 89:25 105:15 125:5 130:20 146:1
27pm (18) 14725 152:15 181:20 189:15 198:25 232:20 234:10 235:10 248:25 249:20 267:1 271:1 275:10 29925 307:20 317:1 33120 337:1
27th (1) $368: 17$
28 (49) 11:25 12:1 510152025 13:1 $510119: 152025120: 15$ 120:10 1520186510152025 187:123425235:15101520 235:25 236:1 292510152025 293:15101520 338:20 25 339:15101520
28am (11) 13:20 31:1 32:1 44:5 77:10 78:10 82:20 90:1 101:10 122:15 136:25
28pm (16) $1475149: 519720$ 200:5 2262522725 230:5 238:1 241:10 263:15 291:5 299:1 300:1 338:1 359:10 360:20
29 (40) 13:15 20 14:1 5 120:25 $121: 1510152025187510$ 187:15 $2025188: 15$ 236:5 10 236:15 2025 237:1 5 293:25 294:151015 2025 295:1 5 339:25 340:1 5101520
291 (1) 368:19
29333 (1) 229:9
293377 (1) $229: 9$
294 (2) 365:16 17
295 (1) 365:17

296 (1) 3658
29am (16) 23:15 36:20 45:10 51:5 53:20 55:1 56:10 57:10 58:15 60:5 86:15 94:15 106:15 114:10 134:10 138:5
29pm (31) 150:5 16225 172:20 17325 174:25 177:5 194:15 207:15 210:25 216:10 217:25 22020 221:20 222:20 228:1 246:15 252:5 253:10 261:15 264:10 269:5 20 294:10 295:20 3015 305:5 310:15 320:25 329 20 351:10 356:20
2nd (1) 307:22

3 (376) 59:15 60:1 19 61:3 67:23 68:21 $706183: 11142025$ 192:9 $12201932921216: 4$ 216:12 219:8 20 220:5 22389 235:19 236:2 1017 240:25 2412620 242:4 13 243:24 245:11 22 256:13 15 259:10 15 2592025 260:1 5101520 261:15101520262:151015 $2622025263: 1510152025$ 264:1510152025 265:15 10 265:15 $2025266: 15101520$ $26625267: 1510152025$ 268:1510152025 269:1510 269:15 $2025270: 15101520$ 27025 271:1510152025 272:15 $10152025273: 1510$ 273:15 $2025274: 15101520$ $27425275: 1510152025$ 276:1510152025 277:15 10 277:15 $2025278: 15101520$ 27825 279:15 1011152025 280:15 10152025 281:1 510 281:15 2025 282:1 5101520

297:17 299:19 300:2 103015 301:13 19 302:8 20 304:3 3056 307:6 18 308:3 30923 311:18 313:10 314:9 $16315: 5328: 513$ 331:20 332:2 336:12 337:3 338:14 339:2 13 340:25 341:1 5 341:10 152025 342:1 5 343:3 345:8
300 (2) 354:8 11
304 (1) 368:21
30am (16) 11:15 14:20 3054225 58:25 6225 66:15 725 74:10 81:15 8325 103:5 126:25 127:20 137:1 139:10
30pm (15) 148:1 151:10 153:20 154:20 179:15 188:15 199:1 218:1 241:25 25525 282:15 303:20 339:10 348:15 355:10
31 (35) 15:10 152025 16:15 10 123:10 152025 124:1 5 189:5 189:10 152025 190:1 5 239:1 239:5 10152025 240:1 510 296:7 332:24 333:1 342:10 15 342:20
312 (1) $369: 4$
315 (1) 369:7
31am (14) 17:10 26:20 51:10 64:20 73:10 75:25 84:1 91:10 110:10 115:15 123:20 127:1 132:5 144:25
31pm (20) 159:15 16025 168:20 170:10 175:1 185:15 195:20 211:25 220:5 224:15 226:5 256:1 257:10 272:15 304:10 312:15 313:25 321:1 328:15 347:5
32 (34) 16:15 $202517: 151015$ 17:20 124:10 1520 190:10 15 190:20 25 191:1 510 240:15 20 240:25 253:15 254:15 26324 264:16 267:2 533420 342:25 343:15101520
329 (1) 365:9
32am (11) 9:5 10:15 27:25 43:1 46:15 59:1 63:196:10 1405 143:20 145:1
32pm (32) 155:20 161:1 25 163:1 164:15 174:1 1765 189:20 196:10 203:20 205:25 211:1 212:1 215:5 219:5 227:1 235:15 236:20 244:5 249:1 250:20 275:15 278:5 2795 284:25 285:1 25 288:20 $311: 20$ 327:10 335:25 341:15
33 (23) 17:25 18:1 $51015124: 25$ 125:1 510 191:15 2025 192:1 192:5 241:15 101534325 344:151015
3372505 (1) 4:8
338 (1) 366:17
33am (11) 35:15 47:15 61:1 20 69:20 715855 112:25 120:5 135:25 142:20
33pm (23) 156:15 17120 191:25 201:15 202:15 206:1 213:5 242:1 271:5 287:10 297:25 298:1 300:5 302:20 314:1 3175 318:10 321:25 324:10 3295 340:10 349:25 353:15
34 (26) 18:20 25 19:1 51015 125:14 15 192:10 152025 193:152412025 242:15 10 344:2025345:15101520
346 (1) 369:11
34am (16) 6:15 7:15 19:5 20:5 37:20 6620 76:1 99:10 107:25 108:1 111:15 11825 119:1 126:5 136:1 141:15
34pm (11) 218:5 233:20 234:15 296:20 309:5 315:1 325:10 337:5 345:10 350:1 354:15
35 (25) 19:20 25 20:1 51015 193:10 152025 194:1 5 242:15 242:20 25 243:1 51015 345:25 346:15101520
350 (3) 207:3 20822 365:10
355 (1) 365:7
35am (8) 24:20 28:1 31:5 33:20 68:10 97:10 115:20 146:5

35pm (19) 148:5 15825 162:1 1675 183:5 18720 191:5 192:1 19725 208:25 209:25 213:25 23920 274:5 292:25 294:15 306:15 322:1 344:10
36 (20) 20:20 25 21:1 5 194:10 15 1942025 195:1 243:20 25 244:15101534625347:15 347:10 15
361 (1) $365: 10$
362 (1) 3657
3621 (1) 223:2
3630 (2) $223: 24$
369 (1) 1:24
36am (23) 22:10 32:5 $39549: 1$ 49:25 78:15 88:25 92:15 95:15 98:10 103:10 152025 104:1 $10620113: 1116: 25121: 15$ 12825 129:20 131:1 134:15
36pm (15) 157:20 163:5 165:20 19225 198:1 210:1 216:15 22225 225:10 259:25 268:5 293:1 331:25 336:1 361:25
37 (16) $21: 10152025195510$ 195:152024420245:15 1015 $3472025348: 1$
375 (1) 36822
377 (1) 367:10
37am (14) 720 25:20 2625 29:5 43:5 44:10 52:15 5325 84:5 86:20 87:25 89:1 122:20 14325
37pm (19) 175:15 178:10 209:1 22025 221:25 235:20 238:5 27220 286:1 301:10 30725 32220 332:1 343:15 352:15 355:15 356:25 358:5 362:1
38 (22) 22:15 1015 122:18
$19525196: 1510152025$ 197:1 245:20 $20348: 5101520$ 34825 349:1 5
380 (1) 36721
38am (15) 34:15 47:20 51:15 55:5 59:5 $642569: 25792090: 5$ 91:15 117:1 $20123: 2512725$ 133:10
38pm (31) 150:10 189:25 19420 2065 214:1 219:10 221:1 222:1 223:1 228:5 20 229:10 23225 24225 253:15 260:1 26520 27625 287:15 299:5 305:10 308:1 $311: 25$ 320:5 326:15 33020 333:25 334:1 3385 339:15 360:25
39 (20) 22:20 $2523: 15101520$ 23:25 24:1 197:5 10152025 198:1 510 255:24 257:8 349:10 39am (17) 12:20 15:25 27:1 32:20 56:15 57:15 65:1 $682570: 1$ 76:5 8225 83:1 100:15 106:25 120:10 128:1 137:5
39pm (32) 151:15 152:20 15325 16825 169:1 172:25 173:1 17920 193:1 204:25 20720 23925 247:15 249:5 25420 2565 257:15 261:20 26225 2675 269:25 274:10 279:10 312:1 318:15 323:15 325:15 33425 337:10 347:10 351:15 359:15
3rd (1) 2:10
$\frac{\mathbf{4}}{4(334) 37: 1538: 460: 1961: 3}$ 67:23 69:16 70:2 121:12 183:11 183:15 2025 188:22 192:9 12 $19220193: 2921216: 25$ 221:15 23222214151824 223:16 227:22 228:2 230:15 19 233:10 15 305:11 314:15 2025 315:15 $10152025316: 1510$ 316:15 $2025317: 15101520$ $31725318: 1510152025$ 319:15 $10152025320: 1510$ 320:15 $2025321: 15101520$ $32125322: 1510152025$ $323: 1510152025324: 1510$
$324: 152025325: 15101520$ 324:15 $2025325: 15101520$ 32525 326:1510152025

327:1 510152025 328:1 510 328:15 $2025329: 1591011$ 329:15 $2025330: 15101520$ 330:25 331:15 10152025 332:15 $10152025333: 1510$ 333:15 2025 334:1 5101520 334:25 335:1 510152025 336:1 510152025 337:1 510 337:15 $2025338: 15101520$ 338:25 339:1 510152025 340:15 $10152025341: 1510$ 341:152025 342:15101520 342:25 343:15 10152025 344:1510152025345:1510 345:15 2025 346:1 5101520 346:25 347:1 510152025 348:1510152025349:15 10 349:15 $2025350: 15101516$ 350:19 $2025351: 15101520$ 351:25 352:15 10152025 353:1510152025354:1510 354:15 $2025355: 15101520$ 355:25 356:1 510152025 357:15 10152025 358:1 510 358:15 $2025359: 15101520$ 359:25 360:1 510152025 361:15 10152025 362:1 510 362:15 2025 363:1 23 366:13
40 (28) 24510152025 25:1 646 64:10 152025 65:1 51015 198:15 2025 199:1 51015 349:15 $2025350: 1510$
4029405 (1) 38
40am (20) 20:25 4120 54:1 63:5 74:15 85:10 8625 87:1 88:1 102:10 124:1 132:10 134:20 136:5 140:10 142:25 143:1 144:1 145:5 146:10
40pm (22) 177:10 180:25 184:10 212:5 215:10 223:20 227:5 236:25 2425 245:15 252:10 269:10 277:1 281:10 291:10 294:20 296252985 310:20 315:5 335:1 357:1
41 (31) 25510152025 26:1 5 $65202566: 1510152025$ 67:1 125:172025 126:1 510 199:20 25 200:1 5101520 350:15 16
41am (11) 9:10 36:25 52:20 61:5 9420 105:20 107:1 129:1 131:5 138:10 14120
41pm (35) 149:10 159:20 161:5 163:10 167:10 17125 176:10 181:25 18520 196:15 199:5 202:20 205:1 231:20 237:1 240:1 243:1 249:25 250:1 264:15 270:1 275:20 293:5 10 297:1 303:1 308:5 312:20 317:10 329253325 348:20 350:5 358:10 361:1
42 (24) 26:10 152025 27:1 510 $675681015126: 152025$ 127:151020025201:1510 201:1520
421 (1) 265:17
42am (10) 5:15 6:20 16:1 18:10 21:1 30:10 69:188 5 110:15 125:10
42pm (15) 147:10 174:5 181:1 182:1 193:25 228:10 230:10 258:25 2855 286:5 31525 321:5 334:5 341:20 345:15
43 (25) 27:15 2025 28:1 510 $67202568: 1510127: 1520$ 127:25 128:1 510 201:25 202:1 202:5 10152025 203:1
430 (1) $145: 4$
43am (12) 14:25 15:1 20:10 46:20 55:10 65:5 73:15 77:15 81:20 97:15 109:5 127:5
43pm (20) 159:1 169:5 172:1 184:15 190:1 200:10 201:20 203:25 233:1 241:15 248:10 250:25 251:1 259:1 26320 288:25 289:1 306:20 355:20 362:5
44 (32) 28:15 $202529: 151015$ 68:152025 69:1 5 128:15 20

128:25 129:15 2035101520 203:25 204:1 5 296:9 101520 296:25 297:1 510
44am (14) 7:25 1225 17:15 2320 39:10 47:25 71:10 72:10 80:15 87:5 92:20 114:15 122251245
44pm (24) 154:1 165:25 183:10 192:5 194:1 206:10 210:5 2145 260:5 26525 271:10 274:15 278:10 282:20 283:20 291:15 301:15 316:1 319:10 324:15 332:25 333:1 342:15 359:20
45 (31) 29:20 25 30:1 51015 69:10 152025 70:1 5 129:10 129:15 2025 130:1 204:10 15 204:20 25 205:1 5 297:15 2025 298:1 $510350: 1920$
45am (13) 13:1 $16545: 1563: 10$ 78:20 83:5 108:5 $11120113: 5$ 115:25 116:1 1285 139:15
45pm (19) 148:10 15425 156:20 162:5 166:1 170:15 177:15 186:20 196:20 204:1 244:10 262:1 263:1 266:1 300:10 315:10 322:5 327:15 336:5
46 (41) 30:20 $2531: 151015$ 70:10 $15202571: 151015$ 130:5 $101520131: 1510$ 205:10 $152025206: 151015$ 298:15 2025 299:1 510 350:25 351:15 101520
46am (9) 8:1 29:10 48:1 5820 85:15 96:15 99:15 101:15 123:1
46pm (17) 150:15 1985 254:25 272:25 277:5 281:15 290:10 291:20 293:15 303:5 312:25 329:10 335:5 34125 344:15 346:15 353:20
47 (41) 31:20 25 32:1 5712025 72:151015 131:15 2025 132:1 51015 206:20 25 207:1 207:5 10152025 208:1 5 245:23 299:15 2025 300:1 510 300:15 351:25 352:1 5101520 47am (13) 19:10 31:10 33:25 50:1 57:20 66:25 91:20 117251195 120:15 126:10 134:25 146:15
47pm (28) 1512015225 159:25 163:15 167:15 191:10 20725 209:5 212:10 213:10 218:10 221:5 2225 243:5 246202505 251:5 260:10 273:1 295:25 297:5 309:10 3145 326:20 328:20 330:1 34825 357:5
47th (1) 36
48 (46) 32:10 152025 33:1 72:20 72:25 73:1510152013220 132:25 133:151015 208:10 15 208:20 25 209:1 524525 246:1 246:5 101520253002025 301:15 $101520352: 25$ 353:1 353:5 10152025 354:1
4853374 (1) $306: 11$
4853375 (1) $308: 14$
48am (10) 14:1 275 37:25 43:10 67:10 84:10 98:15 127:10 129:25 135:1
48pm (24) 153:1 155:1 15625 157:25 173:5 17925 185:25 187:25 225:15 237:5 238:10 240:5 257202595 264:20 287:20 296:1 299:10 316:5 340:15 342:1 $35220361: 5$ 362:10
49 (50) 33:5 $1015202534: 1$ 73:25 74:15 $1015202575: 1$ 133:20 25 134:1 510152025 135:1 5 209:10 152025 210:1 210:5 247:1 $5101520301: 25$ 302:15101520303:1510 354:5 10152025 355:1
49am (20) 8:5 9:15 $102021: 20$ 22:15 35:20 41:5 56:20 61:10 61:25 67:1 76:10 87:10 90:10 93:15 1165 121:20 131:10 137:10 138:15
49pm (15) 15525 158:1 172:5 178:15 188:20 190:5 208:1 255:1 2705 279:15 282:25

317:15 338:10 351:20 358:15 4th (1) 308:9

5 (34) 60:19 61:36723 69:4 16 70:3 121:12 183:11 1525 192:9 $70: 3121: 12183: 111525192: 9$
$192: 12201932921221: 19$ $192: 12201932921221: 19$
$22320212248225: 923$ 22620 227:14 228:18 240:23 248:4 8 249:4 250:9 365:15 16 366:15 368:10
50 (51) 33:4 $18202234: 51015$ 38:19 21 75:5 $1015202576: 1$ 76:5 $1015110: 2113: 1611424$ 115:11 135:10 152025 136:15 136:10 210:10 152025 211:15 24725 248:1 $51015303: 1520$ 30325 304:1 355:5 10152025 356:1 5
500 (2) $1517288: 14$
50am (11) 5:20 13:5 25:25 37:1 65:10 72:15 88:1095 201045 11020 124:20
50pm (23) 159:5 160:1 166:5 180:1 182:5 194525 200:15 206:15 229:15 249:10 253:20 256:10 267:10 278:15 289:5 305:15 308:10 313:1 31820 33025 349:1 354:20
51 (45) 34:20 $2535: 15101520$ 35:25 36:1 5 76:20 $2577: 1510$ 77:15 20 136:15 2025 137:1 5 137:10 15 211:10 152025 212:15 10 248:20 25 249:1 5 249:10 304:5 $10356: 101520$ 35625 357:1 510
51am (26) 155 16:10 2425 26:1 28:5 $322538: 141: 2544: 15$

|  | 244:15 246:25 251:15 263:5 <br> 265:1 269:15 273:10 279:25 <br> 283:5 295:5 304:1 317:20 330:5 <br> 348:1 350:10 356:5 <br> 6 <br> 6 (134) 1:8,15 26:11 37:5,13 38:3 <br> 39:18 40:17 48:22 49:13 50:5 <br> 50:18 51:15,22 53:25 90:11 <br> 91:3 95:25 107:18 108:11 <br> 109:12 110:12 111:14 112:2,22 <br> 114:16 115:3,17 116:14 121:10 <br> 121:23 124:3,20 125:2 134:17 <br> 149:2,16 164:5,23 165:7,21 <br> 166:24 167:15,24 168:13,22 <br> 170:4 171:18 172:4,16 187:12 <br> 190:22 191:8 193:11 203:15,23 <br> 205:18 206:15,22 207:7,22 <br> 208:25 209:15 210:6,20 213:11 <br> 213:18 215:17 218:1 228:9,13 <br> 228:16 237:1,1 1,22 238:7 239:8 <br> 239:20 240:9,20 247:16 250:23 <br> 257:2,11 $259: 1$ 273:7,11,21 <br> 275:10,18 276:17 277:2,19 <br> 281:6 284:22 286:24 296:19 <br> 297:5,11,17 299:19 300:2,10 <br> 301:5,13,19 302:8,20 304:3 <br> 305:6 307:6,18 308:3 309:23 <br> 311:1,18 313:10 314:9,16 315:5 <br> 328:5,13 331:20 332:2 336:12 <br> 337:3 338:14 339:2,13 343:3 <br> 345:8 346:22 365:7 366:19 <br> 600 (1) 4:6 <br> 612 (1) 4:8 <br> 6174000 (1) 3:18 <br> 630 (1) $366: 14$ <br> 650 (1) 3:18 <br> 6500 (1) 4:15 <br> 68 (1) $366: 7$ <br> 691 (2) 285:25 286:11 <br> 6th (1) $3: 16$ <br> 7 (7) 228:24 229:3 230:8,10 <br> 241:17 256:16 367:5 <br> 721 (1) 366:16 <br> 731 (1) 285:4 <br> 750 (2) $263: 24$ 267:2 <br> 755 (2) 366:18,20 <br> 75503 (1) 4:16 <br> 7705 (3) 2:12 364:4,24 <br> 78 (1) 242:16 <br> 782 (1) $366: 17$ <br> 791 (1) 366:12 <br> 8 <br> (6) $216: 4,12231: 2,6256: 16$ 367:11 <br> 803 (1) 366:20 <br> 885 (1) 284:22 <br> 9 (255) $2: 115: 5,6,10,15,20,256: 1$ <br> $6: 5,10,15,20,257: 1,5,10,15,20$ <br> $7: 258: 1,5,10,15,20,259: 1,5,10$ <br> $9: 15,20,2510: 1,5,10,15,20,25$ <br> $11: 1,5,10,15,20,21,2512: 1,5,10$ <br> 12:15,20,25 13:1,5,10,15,20 <br> 14:1,5,10,15,20,25 15:1,5,10,15 <br> 15:20,25 16:1,5,10,15,20,25 <br> $17: 1,5,10,15,20,2518: 1,5,10,15$ <br> 18:20,25 19:1,5,10,15,20,25 <br> 20:1,5,10,15,20,25 21:1,5,10,15 <br> 21:20,25 22:1,5,10,15,20,25 <br> 23:1,5,10,15,20,25 24:1,5,10,15 <br> 24:20,25 25:1,5,10,15,20,25 <br> 26:1,5,10,15,20,25 27:1,5,10,15 <br> 27:20,25 28:1,5,10,15,20,25 <br> 29:1,5,10, 15,20,25 30:1,5,10,15 <br> 30:20,25 31:1,5,10,15,20,25 <br> 32:1,5,10,15,20,25 33:1,5,10,15 <br> $33: 20,2534: 1,5,10,15,20,25$ <br> $35: 1,5,10,15,20,2536: 1,5,10,15$ <br> 36:20,25 37:1,5,10,15,20,25 <br> $38: 1,5,10,15,20,2539: 1,5,10,15$ <br> 39:20,25 40:1,5,10,15,20,25 <br> $41: 1,5,10,15,20,2542: 1,5,10,15$ | 42:20,25 43:1,5,10,15,20,25 44:1,5,10,15 61:10,16 62:1 63:2 63:10 67:23 195:21,24 196:8,25 232:10,14,22 256:16 365:15 367:16 <br> 90 (3) 89:15 91:24 252:17 <br> 903 (1) 4:17 <br> 905 (1) $106: 8$ <br> 906 (144) 70:25 71:2,6,7,10,12 <br> 80:1,14 81:3 82:11,16,22 83:5 <br> 83:17 87:18,25 88:6,24 89:2,9 <br> 90:6, 16,24 91:6 92:6,10,20,25 <br> 93:9, 12,20 94:1,24 95:9, 17 96:5 <br> 96:10,18,24 97:8,20 98:5 99:2 <br> 99:14,15 100:17 101:4,11 102:9 <br> 102:14 105:4,23 106:8 107:4,6 <br> 107:8,15 108:3,9, 16,24 117:25 <br> 142:7 143:16,25 145:18 155:21 <br> 156:7,13 157:11,20 159:3 <br> 164:21 165:5,19 166:14,22 <br> 170:16 171:15 172:13 173:8 <br> 175:7 187:25 188:6 189:25 <br> 190:8,19 191:5,6,14 192:5 <br> 193:23 202:12 209:13,24 210:4 <br> 235:22 236:23 237:9,19 238:21 <br> 239:18 244:6,13,20 245:5,13 <br> 246:17,24 247:6 250:10 252:18 <br> 258:22 259:20 $261: 9$ 263:2 <br> 296:16 297:8,22 298:14,21 <br> 299:7,16 300:7,24 315:1 322:6 <br> 322:16 323:19 324:2 326:3,14 <br> 327:6 330:1,2,16 339:20 346:3 <br> 351:23 353:18 358:3,21 360:25 <br> 362:15 <br> 914 (1) 264:7 <br> 93 (2) 184:9 192:17 <br> 94 (1) 184:9 <br> 94108 (1) 263:7 <br> 943032284 (1) $3: 17$ <br> 95 (2) 184:10 192:17 <br> 98 (3) 96:5 108:3 230:1 <br> 985 (95) 80:4,11 81:5,19 82:4,7 <br> 83:11 84:16,18 85:1,2 86:13,17 88:10,13,25 89:3,18,23 91:18 91:24 94:7,16,24 95:9,17 96:5 96:11,18,24 97:9,20 101:15,23 102:3,9,10,14 105:4,24 106:8 107:4,6,8,15 108:3,9,16,24 117:25 142:8 143:16 144:1 159:3 164:21 165:5,19 166:15 166:22 170:16 171:16 172:14 202:12 209:13 235:22 236:23 237:9,19 238:21 239:18 246:17 246:24 250:10 259:20 261:9 263:3 297:2,14 298:5 299:1,12 299:24 300:7,24 315:1 322:6,16 323:19 324:2 326:3,15 327:7 330:16 339:20 346:3 |
| :---: | :---: | :---: |

## Veritext National Deposition $\mathcal{E}$ Litigation Services

