Exhibit N

IN THE UNITED STATES DISTRICT COURT

EASTERN DISTRICT OF TEXAS

TYLER DIVISION

EMG TECHNOLOGY, INC.,	CERTIFIED COPY
Plaintiff,)
-VS-) CASE NO. 6:08CV-447-LED
APPLE, INC., AMERICAN AIRLINES, INC., BLOOMBERG, L.P., CONTINENTAL AIRLINES, INC., UNITED PARCEL SERVICE, INC.,))))))) .
Defendants.))

DEPOSITION OF SABIN HEAD, Ph.D.

DATE:

September 9, 2009

TIME:

9:20 a.m.

LOCATION:

MANATT, PHELPS & PHILLIPS, LLP

One Embarcadero Center

30th Floor

San Francisco, California

REPORTED BY:

Anne M. Torreano, CSR, RPR, CCRR

Certified Shorthand Reporter

License Number C-10520



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DEPOSITION OF SABIN HEAD, Ph.D.

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1 THE VIDEOGRAPHER: Good morning. We're going 09:20:31 09:20:42 2 The time on the screen is 9:20 a.m. on record. 09:20:47 Today's date is September 9th, 2009. We're located at the offices of Manatt, Phelps & Phillips, LLP, One 09:20:52 4 5 Embarcadero Center, 30th Floor, San Francisco, 09:20:59 California. 09:21:03 7 This is the beginning of tape No. 1 of the 09:21:03 09:21:05 videotaped deposition of Sabin Head; case name: EMG 09:21:10 Technology versus Apple, Inc., et al., venued in the 09:21:14 10 United States District Court, Eastern District of 09:21:17 11 Texas, Tyler Division, Case No. 6:08-CV-447. 09:21:26 12 My name is Steve Spencer, a legal video 09:21:30 13 specialist representing McMahon & Associates, San Jose, 09:21:34 14 California. 09:21:34 15 The court reporting firm is Pulone & 09:21:36 16 Stromberg. Today's court reporter is Anne Torreano. Counsel, please state your name, your office, 09:21:38 17 09:21:41 18 and whom you represent in this action. 09:21:44 19 MR. BECKER: This is Robert Becker from Manatt Phelps. With me is my colleague, Shawn Hansen. 09:21:47 20 represent the plaintiff, EMG Technology, and also the 09:21:50 21 09:21:53 22 witness. 09:21:53 23 MR. STEPHENS: Garland Stephens of Fish & 09:21:55 24 Richardson, representing Apple, Inc. With me today is

John Lane of Fish & Richardson, and Jeff Risher is also

09:21:58 25

09:22:02 1 here, who is in-house for Apple. 09:22:05 2 MR. OGDEN: I don't have a microphone, but I'm Chris Ogden, Nixon Peabody, here representing American 09:22:10 Airlines. 09:22:16 4 5 THE VIDEOGRAPHER: Please swear in the 09:22:17 witness. 09:22:19 7 SABIN HEAD, PH.D., 08:45:26 08:45:26 8 called as a witness, after having been duly sworn by 08:45:26 the Certified Shorthand Reporter to tell the truth, the 08:45:26 10 whole truth, and nothing but the truth, testified as follows: 08:45:26 11 08:45:26 12 EXAMINATION 09:22:19 13 BY MR. STEPHENS: 09:22:26 14 Good morning, Dr. Head. Q. 09:22:29 15 Α. Good morning. 09:22:29 16 Q. Before we start, I wanted to ask a few things 09:22:32 17 of your counsel on the record. 09:22:35 18 MR. STEPHENS: Mr. Becker, you mentioned before we started that the defendants had all agreed 09:22:36 19 09:22:42 20 not to oppose your proposed motion to amend your 3-1 09:22:50 21 contentions, and I'm wondering if the documents that 09:22:54 22 Dr. Head has there are the amended ones. 09:22:58 23 MR. BECKER: Yes, they are. 09:22:58 24 MR. STEPHENS: Okay. So we're going to 09:23:00 25 proceed today then at least primarily on EMG

```
Technology's second amended Rule 3-1 disclosure; is
09:23:04
        2
           that right?
09:23:08
09:23:10
                     MR. BECKER: Yes.
                     MR. STEPHENS: Okay. Thank you. Just wanted
09:23:10
09:23:12
        5
           to clarify that.
           BY MR. STEPHENS:
09:23:13
09:23:13
                 0.
                     Dr. Head, could you state and spell your name
           for the record?
09:23:16
                     Yes, it's Sabin Head.
09:23:17
                                               The name is S-a-b-i-n.
09:23:23 10
           Last name is H-e-a-d.
09:23:25 11
                     And what's your home address?
                Q.
09:23:27 12
                Α.
                     1617 Bittern Drive in Sunnyvale, California,
09:23:31 13
           94087.
09:23:32 14
                    Thanks.
                Q.
                     (DEPOSITION EXHIBIT 1 MARKED.)
09:23:58 15
09:23:58 16
          BY MR. STEPHENS:
09:23:58 17
                Q.
                     Dr. Head, the court reporter's handed you a
09:24:01 18
           copy of Apple, Inc.'s Notice of 30(b)(6) Deposition of
09:24:04 19
           Plaintiff EMG Technology.
09:24:06 20
                     Do you see that?
09:24:06 21
                Α.
                     Yes.
09:24:07 22
                     My understanding is that you've been
09:24:09 23
           designated by the plaintiff EMG Technology to testify
09:24:14 24
          on its behalf on the topics shown on the last page of
09:24:20 25
          this exhibit; is that right?
```

1 12:00:16 there, so how do I know who did it? Q. 12:00:19 2 Okay. 12:00:19 And as I say, you know, the guy down -- the ape down the street is not a good selection because he 12:00:21 12:00:23 5 doesn't speak English. 12:00:24 But my point is, you don't know whether it was 12:00:27 7 translated or reformatted from the code in Exhibit G; 12:00:30 8 right? It's possible that it was not; right? 12:00:33 MR. BECKER: Object. Form. 12:00:34 10 THE WITNESS: Anything's possible. 12:00:35 11 BY MR. STEPHENS: 12:00:35 12 Q. Including that specifically, that --12:00:37 13 Α. Anything is possible. I don't want to include 12:00:39 14 that specifically. Anything is possible. You can 12:00:42 15 generate any --12:00:43 16 Some things are not possible; right? Flapping Q. your arms and flying across the room is not possible. 12:00:45 17 12:00:48 18 Α. You haven't seen me try. 12:00:49 19 0. I'd like to. 12:00:53 20 I'm sorry about that. Α. 12:00:56 21 The answer, though, is that this duplication 12:01:03 22 is here. 12:01:04 23 0. Is there anything you can point to that rules 12:01:09 24 out the possibility that the display in figure 1 and

the XHTML -- I'm sorry, in figure 1 of Exhibit H and

12:01:11 25

- 12:01:16 1 the XHTML in Exhibit I were written separately and not reformatted from the HTML in Exhibit G? 2
 - I think Einstein at some point said something about the delicacy of fit.
 - I'm not interested in commentary. I'm asking you to point to anything that rules it out.
 - Delicacy of fit rules it out. The same language, the same words. I'm not here to interpret that sort of thing.

You know, I'm saying that this is being presented as is. It sure looks like it's the same information. Bloomberg sure does want you to think that you're getting the information from Bloomberg that's on their Bloomberg site. I'm sure they think that. Have I asked Bloomberg if that's the case? No, I don't know that.

But it's a prima facie thing. Here is news: "Most Asian Stocks Fall on North Korea Missile Concern." We see that in the HTML. We see that on the other site. You know, the prima facie evidence is that this is a translation of that, and the -- how the translation was performed, whether it was done by committee, whether it was done by a tool, whether it was done by a programmer that was hired to do all that, whether it was done by something provided by Apple, I

12:01:32 4

12:01:26

12:01:33 5

12:01:35 6

7 12:01:37

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12:01:43

12:01:44 10

12:01:46 11

12:01:51 12

12:01:54 13

12:01:57 14

12:02:00 15

12:02:03 16

12:02:04 17

12:02:08 18

12:02:12 19

12:02:17 20

12:02:25 21

12:02:32 22

12:02:34 23

12:02:36 24

12:02:39 25

- Q. And, in fact, you don't even know whether it was done; right? You do know -- you've expressed your belief that it was done, but you can't point to anything that rules out the possibility that they were done separately; right?
- A. I don't think I'm here to do that. I don't think that that's the stage that we're in in the -- in the legal proceedings. No discovery has been done.
 - Q. Okay. So my next question --
- A. So -- so I want to claim again that these are evidence -- sufficient evidence to think that that is exactly what happened, was that it was translated from one site to the other.
 - Q. Okay.
- A. It's not saying that it was. It's saying that it's sufficient evidence to go ahead and ask how was this done, did it infringe the claim. So that's all I'm trying to say here.

We are very early in the contentions, and these are examples. They are not exclusive. They are not exhaustive. They are not further investigated. Then we can go outside. We don't have the keys to get into Bloomberg's offices, so it's -- it's where we are in the investigation, and I'm not trying to go any

- 12:02:42 12:02:43
- 12:02:44 3

2

- 12:02:48 4
- 12:02:49 5
- 12:02:52 6
- 12:02:54 7
- 12:02:56
- 12:03:00 9
- 12:03:05 10
- 12:03:06 11
- 12:03:13 12
- 12:03:17 13
- 12:03:19 14
- 12:03:20 15
- 12:03:20 16
- 12:03:23 17
- 12:03:26 18
- 12:03:30 19
- 12:03:32 20
- 12:03:34 21
- 12:03:38 22
- 12:03:44 23
- 12:03:47 24
- 12:03:53 25

```
1
           further than that.
12:03:55
        2
                     Does EMG contend that if, in fact, it was done
12:03:56
                Ο.
12:04:05
        3
           separately, that Apple would still infringe?
                     MR. BECKER: Object. Form.
12:04:07
        4
           BY MR. STEPHENS:
12:04:11
        5
                     In other words, if the XHTML in Exhibit I were
12:04:11
12:04:16
           coded separately from the XHTML in Exhibit G, is it
           EMG's contention that Apple infringes anyway?
12:04:23
12:04:25
        9
                     MR. BECKER:
                                   Object. Form.
                                                    And I'm going to
12:04:27 10
           say that that's a claim construction question and
12:04:29 11
           therefore is out of bounds and precluded by Rule 2.5.
12:04:35 12
                     MR. STEPHENS: Are you directing him not to
12:04:36 13
           answer?
12:04:36 14
                    MR. BECKER: I'm directing him not to answer.
12:04:38 15
           We're not -- because we're not providing a witness on
12:04:38 16
           this.
12:04:38 17
                    MR. STEPHENS: All I'm asking you for is your
12:04:41 18
           contentions. You're directing him not to answer?
12:04:43 19
                    MR. BECKER:
                                  Yeah.
12:04:43 20
                    MR. STEPHENS:
                                     Okay.
12:04:48 21
          BY MR. STEPHENS:
12:04:48 22
                    Now, if you could -- now, I've asked you a
                Q.
12:04:52 23
          series of questions about the reformatting, and we've
          talked primarily about the Bloomberg web sites that are
12:04:56 24
12:04:58 25
          identified in Appendix B claim chart for claim 58.
```

```
1
13:22:23
           not to answer under 2.5.
        2
           BY MR. STEPHENS:
13:22:25
                     Okay. What leads you to conclude that it's
13:22:25
        3
           two-dimensional?
13:22:33
                     It's two-dimensional.
13:22:34
        5
                Α.
13:22:36
                Ο.
                     But what facts lead you to conclude that?
13:22:39
                Α.
                     That's my interpretation of two-dimensional.
                     What? It's flat?
13:22:44
        8
                Ο.
       9
13:22:46
                Α.
                     Definition of two-dimensional, yes.
13:22:49 10
                O.
                     Okay. Thanks.
13:22:50 11
                     Now, if you could, like you did before, label
13:22:55 12
          the navigation matrix.
13:23:01 13
                     MR. BECKER: Object. Form.
13:23:02 14
                     THE WITNESS: As different from the -- from
13:23:08 15
          the two-dimensional matrix of cells?
                    MR. STEPHENS: Yeah, if they're the same, you
13:23:11 16
13:23:13 17
          can just indicate that.
13:23:19 18
                    MR. BECKER: Object. Form.
13:23:20 19
                    THE WITNESS: Navigation matrix?
13:23:28 20
                    MR. STEPHENS: Yeah, navigation matrix.
13:23:34 21
          BY MR. STEPHENS:
13:23:34 22
                    So it's the same thing then as the
13:23:35 23
          two-dimensional layer of cells?
13:23:37 24
                    MR. BECKER: Object. Form. And again,
13:23:39 25
          that --
```

```
1
13:23:40
                     THE WITNESS:
                                     In this -- in this -- in this
13:23:43
        2
           screen, yes.
13:23:44
        3
           BY MR. STEPHENS:
13:23:44
                 Q.
                     Okay. That's what I was asking.
        5
13:23:46
                Α.
                     Yes.
                     Now, could you indicate for me, or you can
13:23:47
        7
           just tell me, what leads you to conclude that each cell
13:24:09
        8
           in the navigation matrix is exclusive to a separate,
13:24:12
13:24:18
           single navigation option associated with a specific
13:24:26 10
           unique input?
13:24:26 11
                     MR. BECKER:
                                  Object. Form. And that sounds
13:24:28 12
           like a claims construction question, so I'm going to
13:24:29 13
           instruct him not to answer.
                     MR. STEPHENS: No, I'm asking him to describe
13:24:29 14
13:24:31 15
           for me the factual basis for the allegation that that
           display includes that element.
13:24:33 16
13:24:37 17
                     MR. BECKER: I don't understand your position.
13:24:39 18
                    MR. STEPHENS:
                                     I'll ask again.
13:24:40 19
                     THE WITNESS: I will answer that, if you would
13:24:41 20
           like.
13:24:42 21
                    MR. STEPHENS: I would.
13:24:43 22
                     THE WITNESS: It is obvious to me.
13:24:45 23
           BY MR. STEPHENS:
13:24:45 24
                    And what is it obvious from?
                Q.
13:24:46 25
                     From the layout of that screen.
```

1 Okay. What does EMG contend is the specific 13:36:57 Q. 13:37:09 2 unique input of claim 58? 13:37:14 3 MR. BECKER: Object. Form. THE WITNESS: Well, I --13:37:19 5 13:37:19 MR. BECKER: Wait, wait. I'm going to 13:37:21 6 instruct not to answer. 7 13:37:21 Maybe you just want to rephrase that. Under 2.5 it sounds like you're asking him clear claim 13:37:24 8 13:37:26 9 construction. 13:37:26 10 MR. STEPHENS: No, I'm asking him -- I'm 13:37:27 11 sorry. I'll rephrase it. Fair enough. 13:37:29 12 BY MR. STEPHENS: 13:37:29 13 0. What does EMG contend in the iPhone is the 13:37:36 14 specific unique input required by claim 58 of the '196 13:37:43 15 patent? 13:37:44 16 Α. I think that has the same problem. 13:37:47 17 0. So you can't tell me? 13:37:49 18 Α. That, I think, is something to be argued out, 13:37:54 19 but ... 13:37:54 20 Q. So you can't tell me? 13:37:56 21 Α. That's correct. I would have to go to my own 13:37:58 22 personal, you know, sense of what these things are. 13:38:03 23 Okay. Now, you said that you could pick a 13:38:14 24 different example and show me the single navigation option. Why don't you go ahead and do that. At least 13:38:18 25

And you haven't identified any of them as 15:57:37 1 0. 2 15:57:40 meeting the limitations of the simplified user interface? 15:57:42 3 15:57:43 Well, the fact that the changes are made to 15:57:46 5 transcode from one format to another is what, I think, the contention is about, and the sister site has the 15:57:51 15:57:55 transformed code from the --15:58:00 So any transformation is enough then. Is that Q. 15:58:02 9 your testimony? Well --15:58:02 10 Α. 15:58:03 11 MR. BECKER: Object. Form. 15:58:04 12 BY MR. STEPHENS: 15:58:04 13 So you don't need to make a contention about 15:58:06 14 the specific transformation done here. All you're 15:58:08 15 saying is -- all EMG contends is that their 15:58:12 16 transformation is done, therefore, there's 15:58:18 17 infringement; right? 15:58:18 18 MR. BECKER: That to me sounds like a claim 15:58:18 19 construction question. 15:58:18 20 MR. STEPHENS: I'm asking for what the contention is. If there's a contention that some 15:58:19 21 15:58:21 22 specific change in formatting is made and that 15:58:23 23 infringes, I want to know what it is. 15:58:25 24 MR. BECKER: Well, if you phrase it like --

THE WITNESS: We've already --

15:58:26 25

15:58:26 1 MR. BECKER: Hold on. I'm making an 2 objection. 15:58:28 15:58:28 3 If you phrase it like that, fine. If you ask 15:58:31 him all that is required, which is what your original 15:58:33 question said, I'm going to instruct not to answer. 15:58:33 MR. STEPHENS: Well, I'm asking the question 7 15:58:35 as I just phrased it. 15:58:36 8 MR. BECKER: Well, then --9 BY MR. STEPHENS: 15:58:37 15:58:37 10 0. Is there a contention that a specific formatting change infringes? And if so, what is that 15:58:39 11 15:58:43 12 formatting change? 15:58:45 13 You're going to hate me for reading the claim 15:58:52 14 language again. 15:58:52 15 Yeah, you can't -- if you're just going to 15:58:55 16 read what is there in the chart, just say that's what 15:58:57 17 you're going to do. 15:58:58 18 That's what I'm going to do. 15:58:59 19 Okay. Well, then I'll accept that as what you intend to be your answer and move to strike it as 15:59:02 20 15:59:06 21 nonresponsive. Let's move on. 15:59:10 22 This has been a profound waste of time, and 15:59:13 23 I'm frankly considering moving the Court for the cost 15:59:16 24 of this deposition, because essentially all you've done

to me all day is read the document to me, and of

15:59:17 25

17:19:20 1 Now, is that the claimed navigation matrix Q. 17:19:24 2 that we see on the screen there? 17:19:26 MR. BECKER: Object. BY MR. STEPHENS: 17:19:30 5 Of claim 1 of the '196 patent? I guess I 17:19:30 should be a little more specific. 17:19:33 7 MR. BECKER: Object. Form. 17:19:34 THE WITNESS: This is this matrix in the 17:19:35 8 17:19:40 9 patent. 17:19:42 10 MR. STEPHENS: Did you get that? 17:19:43 11 Can you hold that up? Hold it up near the 17:19:45 12 screen and point to it again. 17:19:47 13 THE WITNESS: Okay. The images that are shown 17:19:49 14 are not exactly the same, and it's three-by-four 17:19:55 15 instead of four-by-four, but it has the same --17:19:59 16 THE VIDEOGRAPHER: Back in front of you. 17:20:02 17 hold it there. I'll zoom in. BY MR. STEPHENS: 17:20:04 18 And that's the figure shown on the front page 17:20:04 19 17:20:06 20 of the '845 patent; right? 17:20:08 21 Yes, and this is similar to it, but it's not 17:20:10 22 an exact replica, but it has the same format of -- one 17:20:19 23 of the segments of this is -- spans several of the segments in a vertical form of the other, and the 17:20:26 24 17:20:29 25 screen that we're looking at has one of the segments

1 spanning two of the other --17:20:32 17:20:35 2 But otherwise, it's an implementation of the 3 17:20:37 preferred embodiment? 17:20:38 Α. Similar, yes. It's a mock-up of the implementation of the preferred embodiment. 17:20:41 5 17:20:42 6 0. Okay. 17:20:43 Α. An example of it. And it's a navigation matrix as claimed in 17:20:44 8 0. 9 claim 1 of the '196 patent; is that right? 17:20:46 17:20:49 10 MR. BECKER: Object. Form. 17:20:50 11 And that requires claim construction, so I'll 17:20:52 12 instruct you not to answer that. 17:20:53 13 MR. STEPHENS: No, I'm asking whether EMG 17:20:55 14 contends whether that reflects the navigation matrix of claim 1 of the '196 patent. That's what I'm asking 17:20:58 15 17:21:01 16 about. He said it's a mock-up, that it reflects some 17:21:04 17 things, maybe not everything. 17:21:06 18 MR. BECKER: I still have the same objection, 17:21:07 19 but I'm not going to --17:21:10 20 MR. STEPHENS: Okay. 17:21:10 21 MR. BECKER: -- require him not to answer. 17:21:11 22 BY MR. STEPHENS: 17:21:11 23 Does that reflect the navigation matrix of the 17:21:14 24 '196 patent? 17:21:14 25 It reflects the -- one of the instances -- one Α.

1 REPORTER'S CERTIFICATE 2 The undersigned Certified Shorthand Reporter 3 licensed in the State of California does hereby 4 certify: 5 I am authorized to administer oaths or affirmations pursuant to Code of Civil Procedure, 6 Section 2093(b), and prior to being examined, the 7 8 witness was duly administered an oath by me. 9 I am not a relative or employee or attorney or 10 counsel of any of the parties, nor am I a relative or 11 employee of such attorney or counsel, nor am I 12 financially interested in the outcome of this action. 13 I am the deposition officer who 14 stenographically recorded the testimony in the 15 foregoing deposition, and the foregoing transcript is a 16 true record of the testimony given by the witness. 17 Before completion of the deposition, review of 18 the transcript [x] was [] was not requested. 19 requested, any changes made by the deponent (and 20 provided to the reporter) during the period allowed are 21 appended hereto. 22 In witness whereof, I have subscribed my name this 27 m day of September, 2009. 23 24 25 TORREANO, CSR No. 10520