

# **KANG DECLARATION EXHIBIT 11**

Exhibit 30  
(Submitted Under Seal)

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UNITED STATES DISTRICT COURT  
NORTHERN DISTRICT OF CALIFORNIA, SAN JOSE DIVISION

APPLE INC., a California )  
corporation, )  
Plaintiff, )  
vs. ) Case No. 11-cv-01846-LHK  
SAMSUNG ELECTRONICS CO., )  
LTD., a Korean business )  
entity; SAMSUNG ELECTRONICS )  
AMERICA, INC., a New York )  
corporation; SAMSUNG )  
TELECOMMUNICATIONS AMERICA, )  
LLC, a Delaware limited )  
liability company, )  
Defendants. )  
\_\_\_\_\_ )

H I G H L Y C O N F I D E N T I A L  
A T T O R N E Y S ' E Y E S O N L Y

VIDEOTAPED DEPOSITION OF STEPHEN GRAY  
Palo Alto, California  
Friday, May, 4, 2012

BY: HEIDI BELTON, CSR, RPR, CRR, CCRR  
CSR LICENSE NO. 12885  
JOB NO. 49273

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May, 5, 2012  
8:57 a.m.  
  
Videotaped deposition of STEPHEN GRAY, held at the offices of Morrison & Foerster, LLP, 755 Page Mill Road, Palo Alto, California, before Heidi Belton, CSR, RPR, CRR, CCRR. CSR License No. 12885

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APPEARANCES:  
  
FOR THE PLAINTIFF APPLE INC.:  
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APPEARANCES CONT'D:  
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Also Present: Shawn Phillips, videographer

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PALO ALTO, CALIFORNIA  
FRIDAY, MAY 4, 2012  
8:57 a.m.  
(Whereupon Exhibit 1 marked for identification.)  
THE VIDEOGRAPHER: This is the start of tape labeled number 1 of the videotaped deposition of Steven Gray. In the matter Apple, Incorporated versus Samsung Electronics Company, Limited, et al., in the United States District Court, Northern District of California, San Jose Division. Number 12-CV-00630-LHK [sic].  
This deposition is being held at 755 Page Mill Road, Palo Alto, California on May 4, 2012 at approximately 8:57 a.m. 08:57:19  
My name is Sean Phillips. I'm the legal video specialist from TSG Reporting, Incorporated, headquartered at 747 Third Avenue, New York, New York. The court reporter is Heidi Belton, in association with TSG Reporting. 08:57:38  
Will counsel please introduce yourself.  
MR. MONACH: Andrew Monach, representing Apple.  
MR. MELAHN: Mark Melahn, representing Apple.  
MS. MAROULIS: Victoria Maroulis, counsel for 08:57:51

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[REDACTED]

[REDACTED]

[REDACTED]

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[REDACTED]

[REDACTED]

[REDACTED]

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[Redacted text on page 46 and 47]

[Redacted text on page 48 and 49]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]



<p style="text-align: right;">Page 202</p> <p>1 separate structured electronic documents distinct from a 16:28:19  2 structured electronic document in which they're  3 contained?  4 MS. MAROULIS: Objection; vague. Please feel  5 free to refer to Exhibit 15. 16:28:30  6 THE WITNESS: Let me take a look.  7 So what I'm -- two things. I looked for -- in  8 the specification -- any evidence to suggest that the  9 boxes of content could not be a structured electronic  10 document. And I find nothing in here that suggests that 16:32:31  11 the boxes of content couldn't be structured electronic  12 documents on their own. But further, on column 19 --  13 yeah. On column 19, line -- starting at line 17, it's a  14 discussion about a render tree, and about the nodes on  15 the render tree, and about the various kinds of nodes 16:33:05  16 that -- that the render tree could contain in it. The  17 render tree in the specification is used as a mechanism  18 for identifying the boxes of content and being able to  19 traverse to get to the boxes of content.  20 So let me put this into the record. "In some 16:33:26  21 embodiments, the structured electronic document has an  22 associated render tree with the plurality of nodes and  23 determining the first box at the location of the first  24 gesture comprises: Traversing down the render tree to  25 determine a first node in the plurality of nodes that 16:33:43</p>	<p style="text-align: right;">Page 203</p> <p>1 corresponds to the detected location of the first 16:33:46  2 gesture, traversing up the render tree from the first  3 node to the closest parent node that contains a logical  4 grouping of content and identifying content  5 corresponding to the closest parent node as the first 16:34:00  6 box. In some embodiments, the logical grouping of  7 content comprises a paragraph, an image, a plug-in  8 object, or a table. In some embodiments the closest  9 parent node is replaced inline, a block, an inline block  10 or an inline table." 16:34:19  11 In those embodiments that we're talking about,  12 this logical grouping containing a paragraph, an image,  13 a plug-in, or a table, at least all of those could be --  14 can be -- could clearly be structured electronic  15 documents. There's no preclusion about that. 16:34:35  16 Paragraphs have structure. Images can be  17 configured. A JPEG image, for example, has structure.  18 A plug-in object -- I'm not sure what they mean by a  19 "plug-in object," but certainly tables have structure.  20 So all -- in all of those instances, the render tree 16:34:55  21 nodes enable structured electronic documents to be part  22 of the -- the -- the system.  23 So to answer your question, there is support  24 for it and nothing to preclude it.  25 BY MR. MONACH: 16:35:09</p>
<p style="text-align: right;">Page 204</p> <p>1 Q. In your Appendix 7, depo Exhibit 17, on page 4 16:35:10  2 you show the -- a transition from the world view of 36  3 tiles to what's called a "zone view" of four tiles,  4 right?  5 A. That's correct. 16:35:35  6 Q. Are you asserting that that change in the  7 display is -- meets the enlarging, translating, and  8 substantially centering a first-box limitation as  9 recited in Claim 50 of the '163 patent?  10 A. The -- with respect to claim 2B, there is a -- 16:36:04  11 a first box which is selected from the world view that  12 then is -- is enlarged and substantially centered. The  13 world view is a collection of four boxes surrounding  14 what they call the "blue dot."  15 Q. Do you mean -- I'm sorry. Did you mean zone 16:36:28  16 view?  17 A. Sorry. Did I say --  18 Q. You said "world view."  19 A. Did I say "world view" too many times? The  20 world view is the 6-by-6 matrix. The selection of one 16:36:37  21 of the -- one of the boxes within a four-box matrix  22 surrounding the blue dot in the world view creates a  23 zone view. The zone view is -- what gets enlarged and  24 substantially centered. So the -- this is a -- this is  25 a box within the world view which becomes centered and 16:37:01</p>	<p style="text-align: right;">Page 205</p> <p>1 enlarged in the zone view. 16:37:05  2 Q. Does -- would you agree that Claim 50  3 requires -- I'm looking at the -- sort of the middle of  4 the claim near line 32 -- that what is required is  5 enlarging and translating the structured electronic 16:37:22  6 document so that the first box is substantially  7 centered?  8 MS. MAROULIS: Objection; vague. Calls for  9 legal conclusion.  10 THE WITNESS: I think you have -- with the 16:37:37  11 proviso there maybe alterations in the language. But I  12 think you've -- you've correctly read the limitation  13 starting at line 31.  14 MS. MAROULIS: We've been going for over an  15 hour. 16:37:53  16 THE WITNESS: Would you like to take a break  17 soon?  18 MR. MONACH: Let me just finish up with this.  19 MS. MAROULIS: Okay.  20 BY MR. MONACH: 16:37:57  21 Q. Is it your opinion that in the transition from  22 the world view to the zone view shown on page 4 of your  23 Appendix 7, that what has been enlarged and translated  24 is the same structured electronic document that is shown  25 in the world view? 16:38:30</p>

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1 A. No. The document which is being shown in the 16:38:32  
2 zone view on page 4 is a box of content from the  
3 structured electronic document shown in the world view.  
4 Q. Which is -- so the thing shown on the right is  
5 a different structured electronic document than the 16:39:00  
6 structured electronic document shown in the world view,  
7 right?  
8 MS. MAROULIS: Objection; vague.  
9 THE WITNESS: I thought I said something  
10 different, so let me try again. 16:39:16  
11 The selection of -- of the box shown in --  
12 okay. In the world view on the left, there is  
13 identified in red a first box. Selection of that box by  
14 a first gesture enlarges and centers that box of content  
15 in the zone view shown on the right. 16:39:38  
16 BY MR. MONACH:  
17 Q. But there is no enlarging and translating of  
18 the structured electronic document shown on the left;  
19 rather, the distinct -- in your view -- structured  
20 electronic documents in those four tiles are enlarged 16:39:57  
21 and centered?  
22 MS. MAROULIS: Objection; vague. Assumes  
23 facts.  
24 BY MR. MONACH:  
25 Q. Is that right? 16:40:06

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1 then are shown in -- on the right in the zone view. 16:41:53  
2 On one -- for example, the upper right-hand  
3 tile inside the red line you've drawn looks like an  
4 e-mail icon. Do you see that?  
5 A. In the -- yes. In -- in the first -- if 16:42:10  
6 you're referring to the -- well, go ahead. Which one  
7 are we pointing at?  
8 Q. Right. So in the box that you've drawn in the  
9 world view and labeled the first box, in the upper  
10 right-hand corner, there is a tile that looks like it 16:42:26  
11 has an e-mail icon. Do you see that?  
12 A. I do.  
13 Q. Right. And that is the -- that's a tile for  
14 the e-mail application in LaunchTile, right?  
15 A. I believe that -- yes, I believe that -- well, 16:42:44  
16 it is a -- it is an icon derived from the e-mail  
17 structured electronic document that underlies it. But  
18 yes, it is a --  
19 Q. And then if you look on the right in the zone  
20 view, you don't see a blowup or an enlargement of that 16:42:55  
21 e-mail. What you see is a different level of detail.  
22 You see a listing of individual e-mails within the  
23 e-mail file. There's different content, correct?  
24 MS. MAROULIS: Objection; misstates the  
25 document. 16:43:15

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1 A. I believe that the enlarged and centered zone 16:40:11  
2 view is a box of content found on the world view. It is  
3 comprised of individual tiles or structured electronic  
4 documents on their own. But it is from -- it is derived  
5 or created from an enlargement of the world view 16:40:29  
6 structured electronic document into the zone view.  
7 BY MR. MONACH:  
8 Q. So the world view electronic document, the  
9 36-tile document is not enlarged as an entity and then  
10 translated to center those four boxes, right? 16:40:48  
11 MS. MAROULIS: Objection; vague.  
12 THE WITNESS: I don't have any reason to  
13 believe that -- well, let me say it slightly  
14 differently. I'm not sure, sitting here today, exactly  
15 what the -- the software performed with respect to 16:41:15  
16 enlarging and centering. But given what the functions  
17 are that are intended for LaunchTile, there is no reason  
18 for me, sitting here today, to believe that the  
19 structured electronic document that is -- that is the  
20 world view is not enlarged and the portion of it that 16:41:34  
21 was selected in that box of content simply enlarged and  
22 translated into the zone view.  
23 BY MR. MONACH:  
24 Q. Let's look at the content from these four  
25 boxes that are shown in the center of the world view and 16:41:46

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1 THE WITNESS: I don't -- I would not say that 16:43:20  
2 it is different. Well, I'd say that both the upper  
3 right -- upper right-hand corner of the zone view and  
4 the upper right-hand corner of the first box are derived  
5 from the same document. They're different 16:43:33  
6 manifestations of the same document, but they are  
7 derived from the same structured electronic document  
8 which is the rendering of the e-mail system. It's  
9 just -- based upon the screen real estate, it's a  
10 different manifestation. 16:43:48  
11 BY MR. MONACH:  
12 Q. It's different content. It's not simply an  
13 enlarging of the images that are shown in the tile in  
14 the world view; it is a -- looking at different data and  
15 displaying different data rather than displaying the 16:44:04  
16 same thing in a larger font size or a larger image,  
17 right?  
18 MS. MAROULIS: Objection; argumentative.  
19 Misstates the document.  
20 THE WITNESS: Let me agree that it is not a 16:44:14  
21 magnification of what's in the -- in the upper  
22 right-hand corner of the first box of the world view.  
23 It is not a magnification -- the upper right-hand corner  
24 of the zone view is not a magnification of the original.  
25 That's accurate. 16:44:28

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1 within the bounds of the -- of the 2-by-2 box. It is 17:04:34  
 2 enlarging and centering that in the -- in the LaunchTile  
 3 application view. It is an expansion of that box.  
 4 BY MR. MONACH:  
 5 Q. Okay. But -- and it is not an enlargement and 17:04:48  
 6 translation of a structured electronic document  
 7 consisting of these four squares of content, correct?  
 8 A. That is -- what it is doing -- yes. What it  
 9 is doing is enlarging and expanding the -- it happens to  
 10 be enlarging, but it's scrolling into position the upper 17:05:13  
 11 right-hand quadrant of the original first box, which is  
 12 the 2-by-2 matrix. It's not expanding the entire --  
 13 entirety of the first box. This is --  
 14 Q. Right.  
 15 A. -- the second box. 17:05:30  
 16 Q. And you cannot scroll or pan when you're in  
 17 the LaunchTile application view to see any of the  
 18 adjacent LaunchTile zone view boxes, right?  
 19 MS. MAROULIS: Objection; compound.  
 20 THE WITNESS: My best recollection of the way 17:05:54  
 21 that this operates is that -- is that -- let me think.  
 22 I don't -- sitting here right now, I don't remember  
 23 certainly whether or not there is the ability to slide  
 24 back to the other view. But I think not. I think -- so  
 25 let me -- sorry. 17:06:32

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1 the LaunchTile application view and opening that up. 17:08:05  
 2 The LaunchTile application view -- or the box labeled  
 3 "LaunchTile application view" is the second box that was  
 4 in the zone view and is derived from the same data and  
 5 was in the world view as well. So the expansion of the 17:08:20  
 6 world view -- of the 4-by-4 matrix to bring up -- so it  
 7 gets expanded and centered on the screen. And the  
 8 selection -- that's the first box. The gesture  
 9 selecting the second box then yields the expansion and  
 10 essentially centering to create the LaunchTile 17:08:41  
 11 application view.  
 12 If I were to now select one of those e-mail --  
 13 one of those e-mails that's on that page and then go  
 14 into the e-mail reader, that then would be analogous to  
 15 selecting Microsoft Word which then is an application, 17:08:56  
 16 which now you're off on the races.  
 17 BY MR. MONACH:  
 18 Q. Does tapping on what you call the "second box"  
 19 launch the e-mail application in LaunchTile or not?  
 20 A. I think that the system, the way it's set up, 17:09:09  
 21 is that the e-mail application was opened at world view,  
 22 it's opened at zone view, and it's opened further at  
 23 LaunchTile application view.  
 24 MR. MONACH: Let's mark as the next exhibit --  
 25 I believe it's Exhibit 18. 17:09:31

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1 I believe that from the selected second box, 17:06:34  
 2 which has been expanded and centered on page 5, is  
 3 labeled the "LaunchTile application view," that it is --  
 4 from there, I don't know of a navigation path back to  
 5 the first box other than to go back up to the world view 17:06:51  
 6 and then select the zone again.  
 7 BY MR. MONACH:  
 8 Q. If you're working on a computer running  
 9 Windows and it has Microsoft Word and you double click  
 10 on the Microsoft Word icon so that the application is 17:07:17  
 11 launched and replaces whatever has been on the screen  
 12 previously, covers it up, would you consider that to be  
 13 enlarging and translating a structured electronic  
 14 document?  
 15 MS. MAROULIS: Objection; incomplete 17:07:34  
 16 hypothetical.  
 17 THE WITNESS: Would I consider it to be  
 18 enlarging and translating a structured electronic  
 19 document?  
 20 MR. MONACH: Mm-hmm. 17:07:46  
 21 THE WITNESS: I would not consider that --  
 22 hadn't considered it before, but I would not, sitting  
 23 here right now, consider it enlarging and translating a  
 24 structured electronic document. What I think that is is  
 25 analogous to selecting one of these pieces of mail from 17:08:00

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1 THE VIDEOGRAPHER: Correct. 17:09:33  
 2 MR. MONACH: Appendix 8 from your invalidity  
 3 report.  
 4 (Whereupon Exhibit 18 marked  
 5 for identification.) 17:09:38  
 6 BY MR. MONACH:  
 7 Q. Mr. Gray, is the Robbins '349 patent one of  
 8 the pieces of prior art you've relied on in opining that  
 9 the -- at least some of the claims of the '163 patent  
 10 are invalid? 17:10:20  
 11 A. Yes. Robbins '349 is one of the pieces of  
 12 prior art that I believe invalidates some of the  
 13 asserted claims of the '163.  
 14 Q. Could you describe briefly how the Robbins  
 15 invention works. 17:10:46  
 16 MS. MAROULIS: Objection; vague. Calls for a  
 17 narrative.  
 18 THE WITNESS: The Robbins invention takes  
 19 large -- creates a -- allows for the display of a large  
 20 data set on a relatively small display surface and uses 17:11:01  
 21 a variety of techniques to segment that large  
 22 information space to allow for access to the -- to  
 23 details or to finer levels of detail regarding that  
 24 large information space.  
 25 BY MR. MONACH: 17:11:28

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1 the answer's yes. I think the description in 2B and 2C 17:34:53  
 2 in my -- in Exhibit 18 -- Deposition Exhibit 18 show a  
 3 selection of the first segment. And while that first  
 4 box is enlarged, selection of a second segment to -- I  
 5 mean, a second box which then will enlarge and center 17:35:24  
 6 that -- or, rather, center -- I shouldn't say -- or  
 7 zoom. Tap to zoom. So the first one is a tap to zoom.  
 8 The second gesture is a tap to scroll.  
 9 BY MR. MONACH:  
 10 Q. Please identify for me in your chart the first 17:35:41  
 11 box that's enlarged and substantially centered. Where  
 12 is that?  
 13 MS. MAROULIS: Objection; asked and answered.  
 14 THE WITNESS: In the description for 2B,  
 15 detecting a first gesture and determining the first box, 17:36:01  
 16 there's a -- an illustration there which the  
 17 illustration is labeled "340." And the text supports  
 18 the fact that the segment 6 has been enlarged and it's  
 19 substantially centered.  
 20 BY MR. MONACH: 17:36:18  
 21 Q. Where is the second box if you look at page  
 22 340 -- or Figure 340?  
 23 A. So in 2B, there isn't a second box shown.  
 24 When we go to 2C, which is a description of the ability  
 25 to enlarge and then show second boxes which are 17:36:32

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1 the witness. 17:38:03  
 2 We'll reserve the right to review and sign. I  
 3 believe there was some discussion of code, so we'll put  
 4 it under protective order for now and we'll dedesignate  
 5 it as needed. 17:38:12  
 6 Thank you, everyone.  
 7 THE VIDEOGRAPHER: This marks the end of disk  
 8 4 of 4 and concludes today's deposition of Stephen Gray.  
 9 The time is 5:38 p.m. And we're off the record.  
 10 (The proceeding adjourned at 5:38 p.m.)  
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 14 \_\_\_\_\_  
 15 STEPHEN GRAY  
 16  
 17 Subscribed and sworn to before me  
 18 this day of 2012.  
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 20 \_\_\_\_\_  
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Page 231

1 available as a second gesture, the illustration at 1420 17:36:39  
 2 shows an equal overlapping segmentation of adjoining  
 3 areas prior to the first gesture.  
 4 Q. Do you have anyplace where after a first  
 5 gesture that enlarges the first box, you can still see 17:36:57  
 6 the second box and then tap on the second box to  
 7 substantially center it?  
 8 MS. MAROULIS: Objection; asked and answered.  
 9 THE WITNESS: Well, I don't have an  
 10 illustration -- I don't have an illustration in the 17:37:12  
 11 claim chart that shows a first box with second boxes  
 12 which would -- which are available for a second gesture.  
 13 But I believe that the second describes -- describes the  
 14 method by which that second box with a second gesture  
 15 could be selected or preselected. 17:37:31  
 16 BY MR. MONACH:  
 17 Q. By pressing on a number key?  
 18 A. Well, one of the methods that -- that can be  
 19 used -- well, the input component, 230, can be any one  
 20 of a touch pad, key pad, pointing device, stylus, 17:37:47  
 21 joystick or D pad.  
 22 MS. MAROULIS: Okay. We're at seven hours, so  
 23 I think we're done with the deposition.  
 24 MR. MONACH: Okay. All right. Thank you.  
 25 MS. MAROULIS: I don't have any questions for 17:38:02

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1 CERTIFICATE  
 2 STATE OF CALIFORNIA )  
 3 ) ss.:  
 4 COUNTY OF CONTRA COSTA )  
 5  
 6 I, Heidi Belton, a Certified Shorthand  
 7 Reporter, a Registered Professional Reporter,  
 8 a Certified Realtime Reporter, and a  
 9 Certified Realtime Professional within and  
 10 for the State of California, do hereby  
 11 certify:  
 12 That STEPHEN GRAY, the witness whose  
 13 deposition is herein before set forth, was  
 14 duly sworn by me and that such deposition is  
 15 a true record of the testimony given by such  
 16 witness.  
 17 I further certify that I am not related to  
 18 any of the parties to this action by blood or  
 19 marriage and that I am in no way interested  
 20 in the outcome of this matter.  
 21 In witness whereof, I have hereunto set my  
 22 hand this 5th day of May, 2011.  
 23 \_\_\_\_\_  
 24 HEIDI BELTON, CSR, RPR, CRR, CCRR  
 25 Certified Shorthand Reporter No. 12885