Exhibit A

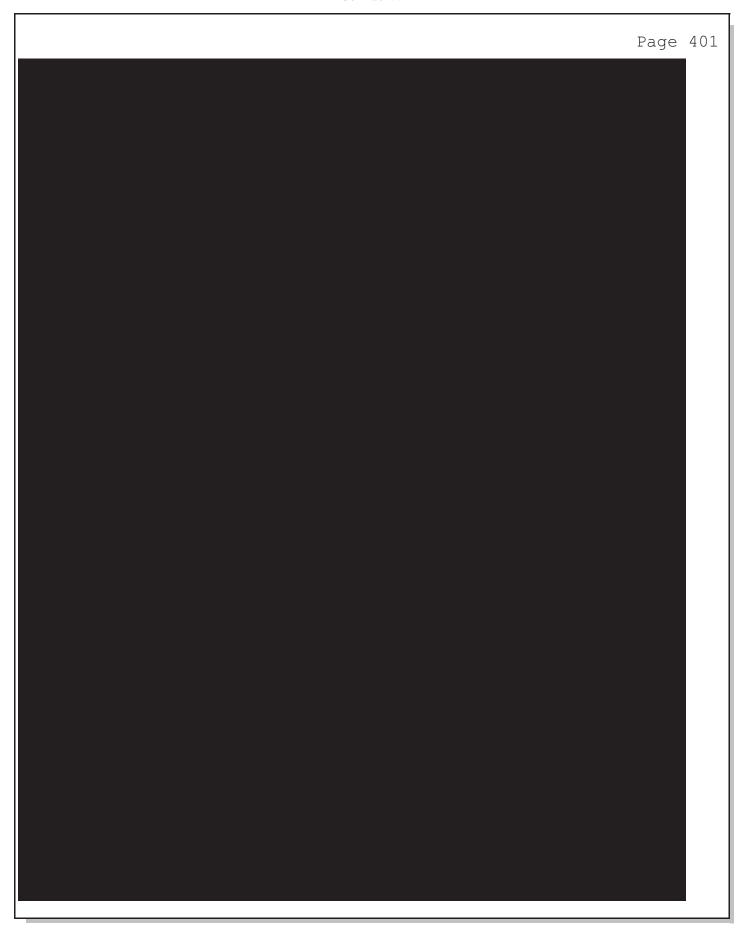
EXHIBIT 1 FILED UNDER SEAL

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Page 368
1
               UNITED STATES DISTRICT COURT
              NORTHERN DISTRICT OF CALIFORNIA
2
                     SAN JOSE DIVISION
3
    APPLE INC., a California
    corporation,
                     Plaintiff,
                                   )Case No. 11-CV-01846-LHK
    VS
    SAMSUNG ELECTRONICS CO.,
    LTD., a Korean corporation; )
    SAMSUNG ELECTRONICS AMERICA,)
    INC., a New York
    corporation, SAMSUNG
    TELECOMMUNICATIONS
    AMERICA, LLC, a Delaware
10
    Limited Liability company,
11
                     Defendants.
12
13
     VIDEOTAPED DEPOSITION OF KARANSHER SINGH, Ph.D
14
                     "CONFIDENTIAL"
15
                   December 3, 2012
16
                    AT: 10:00 a.m.
17
18
                        Taken at:
19
                   Morrison & Foerster
           Edinburgh Tower, 33/F - The Landmark
20
                      Hong Kong SAR
21
22
    Court Reporter:
23
    Jeanne Bullis
    RPR, CSR
24
    Reporter: 55957
25
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		Page 372
1	WHEREUPON,	
2	KARANSHER SINGH	
3	having been first duly sworn as noted above, was examine	ed
4	and testified as follows:	10:22
5	EXAMINATION BY MR. BRIGGS:	10:22
6	Q. Good morning, Dr. Singh.	10:22
7	A. Good morning.	10:22
8	Q. I'm handing you what has been marked as	10:22
9	Exhibit No. 1. This is a copy of your declaration	10:22
10	that you submitted in support of Apple's permanent	10:22
11	injunction motion. Do you recognize this document?	10:22
12	(Exhibit 1 marked for identification.)	
13	BY MR. BRIGGS:	10:22
14	A. Yes, I do.	10:22
15	Q. So you recognize this as your declaration?	10:23
16	A. Yes.	10:23
17	Q. And you signed this on November 9th, 2012?	10:23
18	A. I believe so, yes.	10:23
19	Q. When did you start writing this declaration?	10:23
20	A. I would say shortly well, I started to	10:23
21	work on it shortly after Mr. Gray, Samsung's expert,	10:23
22	filed a declaration sort of asking well, against an	10:23
23	injunction. So I started working on it shortly after	10:24
24	that.	10:24
25	Q. Now, did you write this declaration?	10:24



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		Page 402
1	Q. Now, would you agree with me that fingers	11 : 17
2	touching a touchscreen are input points?	11 : 17
3	MR. MONACH: Objection. Vague.	11:18
4	A. In a very general sense, typically, yes. But	11:18
5	if you were to if you were, for instance, to put	11:18
6	two fingers like that (Indicating), that would	11:18
7	typically be observed on the device as a single input	11:18
8	point.	11:18
9	So while often we talk about fingers over here,	11:18
10	the patent actually specifically talks about what the	11:18
11	device sees, which are distinct input points.	11:18
12	BY MR. BRIGGS:	11:19
13	Q. What does the claim talk about?	11:19
14	A. The claim talks about	11:19
15	MR. MONACH: Objection, vague. Best	11:19
16	evidence rule.	11:19
17	A. The claim talks about what's in the claim, I	11:19
18	guess.	11:19
19	BY MR. BRIGGS:	11:19
20	Q. Doesn't the claim talk about input points	11:19
21	applied to the touch-sensitive display?	11:19
22	A. That's right.	11:19
23	Q. It's right in the plain language of the	11:19
24	claims.	11:19
25	A. Yes.	11:19

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		Page 403
1	Q. So if I have one finger touching the screen,	11:19
2	that would be one input point.	11:19
3	A. Right.	11:19
4	Q. If you have two fingers touching the screen,	11:19
5	that would be two input points; correct?	11:19
6	A. That's right. I said generally, that is	11:19
7	true.	11:19

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7	Q. And when you say "two input touches," are you	11:21
8	talking about two input touches applied to the	11:21
9	touchscreen, or are you talking about two touches as	11:21
10	interpreted by the device?	11:21
11	A. Well, I believe the claims and the patent	11:21
12	essentially relate to the device. We talk about input	11:21
13	touches. I have a research paper where people operate	11:22
14	these devices with anodes. So we're talking about the	11:22
15	device here.	11:22
16	Q. Okay, so you're talking about how the device	11:22
17	interprets what is touching the screen; is that	11:22
18	correct?	11:22
19	MR. MONACH: Objection. Vague.	11:22
20	A. Well, in the context of everything that we've	11:22
21	been talking about right now, in the context of the	11:22
22	claim, we're talking about the device, yes.	11:22
23	BY MR. BRIGGS:	11:22
24	Q. Let's assume I understand that's your	11:22
25	interpretation of the claim, but let's assume that the	11:22

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		Page 405
1	interpretation of the claim were different, and that	11:22
2	the claim is actually talking about input points that	11:23
3	are applied physically to the touchscreen.	11:23
6	MR. MONACH: Objection. Vague and	11:23
7	ambiguous, incomplete hypothetical.	11:23
8	A. No, because physical input points on the	11:23
9	device need to have a physical separation on the	11:23
10	device.	11:23
11	BY MR. BRIGGS:	11:23
15	MR. MONACH: Objection. Incomplete	11:23
16	hypothetical.	11:23
17	A. Well, hypothetically if you had Siamese	11:24
18	fingers, you potentially could have them both mapped	11:24
19	to a single input touch. So that would be a single	11:24
20	input point, not	11:24
21	BY MR. BRIGGS:	11:24
22	Q. Now, you don't need Siamese fingers; correct?	11:24
23	MR. MONACH: Objection. Vague and	11:24
24	ambiguous.	11:24
25	A. You need to well, you need to be able to	11:24

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		Page 406
1	have a single input touch which physically map to the	11:24
2	same device location.	11:24
3	BY MR. BRIGGS:	11:24
7	MR. MONACH: Objection. Lack of foundation,	11:25
8	incomplete hypothetical with respect to the	11:25
9	hardware, the distance, etcetera.	11:25
13	BY MR. BRIGGS:	11:25
14	Q. So going back to my question, the answer is	11:25
15	"yes"?	11:25
16	MR. MONACH: Objection. Vague and	11:25
17	ambiguous.	11:25

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1	BY MR. BRIGGS:	Page 407
		11.05
6	A. In this	11:27
7	MR. MONACH: Objection hold on.	11:27
8	A. Excuse me.	11 : 27
9	MR. MONACH: Objection. Vague and	11:27
10	ambiguous, assumes facts not in evidence, calls	11:27
11	for a legal conclusion about a method in the	11:27
12	claim that relates to instructions.	11 : 27
20	And so it doesn't matter in any case when you	11:28
21	talk about two fingers close together or two fingers	11 : 28
22	apart and so on, because the claim that we're talking	11 : 28
23	about here is, it's a machine claim. It deals with a	11 : 28
24	set of instructions. It is the instructions that	11:28
25	operate on the number of input touches that the device	11:29
		I

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		Page 408
1	interprets.	11:29
2	BY MR. BRIGGS:	11:29
3	Q. Okay, I understand that, but let me ask the	11:29
4	question a different way.	11:29
5	A. Okay.	11:29
9	MR. MONACH: Objection. Lack of foundation,	11:29
10	incomplete hypothetical.	11:29
24	MR. MONACH: Same objection. Lack of	11:30
25	foundation, incomplete hypothetical, asked and	11:30

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	Page 409
1 answered in a previous question.	11:30

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4	Now, in that case, would there be infringement of	11:33
5	the '915 patent, based on your analysis?	11:33
6	MR. MONACH: Object to the form of the	11:33
7	question as an incomplete hypothetical, outside	11:33
8	the scope of the reply declaration and the scope	11:33
9	of the deposition permitted. Object to asking	11:33
10	Apple's expert to make seat-of-the-pants opinions	11:33
11	for Samsung's benefit about how they might	11:33
12	attempt to design around the patent. That's not	11:33
13	what he is here for.	11:33
14	MR. BRIGGS: Your speaking objections are	11:33
15	getting a little lengthy, Mr. Monach.	11:33
16	MR. MONACH: Well, if you would restrict	11:33
17	your questions to the opinions that he's offered,	11:33
18	which is what you told the judge you needed to	11:34
19	ask him questions about and why you needed to	11:34
20	have this supplemental discovery, then you should	11:34
21	do that instead of asking him questions about how	11:34
22	might we do something different than what we did	11:34
23	and what might be the results of that. That is	11:34
24	not an issue	11:34
25	MR. BRIGGS: I'm asking him about	11:34

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		Page 411
1	MR. MONACH: No, you're asking him how might	11:34
2	"We understand you think this fringes. How	11:34
3	about if we tweaked it like this, how about if we	11:34
4	tweaked it like that? What if we did something	11:34
5	else."	11:34
6	MR. BRIGGS: Is it your position I cannot	11:34
7	ask him that question?	11:34
8	MR. MONACH: I didn't instruct him not to	11:34
9	answer. My position is	11:34
10	MR. BRIGGS: Then	11:34
11	MR. MONACH: that it's objectionable and	11:34
12	it's clearly beyond the scope.	11:34
13	MR. BRIGGS: Cease the speaking objections.	11:34
14	MR. MONACH: It is beyond for the reasons	11:34
15	stated, it is clearly beyond the scope of the	11:34
16	deposition that was permitted. It is also an	11:34
17	incomplete hypothetical and vague and ambiguous.	11:34
18	A. In the hypothetical scenario that you're	11:35
19	suggesting, there would be a few things: One, in	11:35
20	general, if you're suggesting it as a sort of	11:35
21	potential design around claim C, firstly, just in	11:35
22	terms of quality, the quality of a design-around, I	11:35
23	think that would be that potentially would be quite	11:35
24	problematic. I think the quality of the functionality	11:35
25	would be quite compromised just because thresholds,	11:35

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you know, no matter how small or large they are, can 11:3 be very tricky. 11:3 As you know, there are all kinds of people that 11:3	5 5 5
	5
3 As you know, there are all kinds of people that 11:3	5
4 operate these devices: Children with small fingers to $11:3$	_
5 people with big fat fingers. And so these distances 11:3	5
6 could result, I imagine, in a lot of user frustration. 11:3	6
⁷ But that set aside, I mean, that's just speculative on 11:3	6
8 that front. 11:3	6
9 On the actual limitations in the claim limitation 11:3	6
10 of C, I would have to look and conclusively analyze 11:3	6
11 such a design-around, just as I've done for the $11:3$	6
12 current modified Samsung code. So it's you know, I 11:3	6
13 would not be able to give you a conclusive answer on $11:3$	6
that without actually looking at an actual 11:3	6
15 implementation. But I you know, off the top of my $11:3$	6
16 head, I don't think it would be a very good design, 11:3	6
17 period. 11:3	6
18 BY MR. BRIGGS: 11:3	6
Q. But you also think it wouldn't infringe here 11:3	6
20 either; right? 11:3	6
MR. MONACH: Objection, misstates the prior 11:3	6
testimony. Objection, vague and ambiguous, 11:3	6
outside the scope of the discovery that was 11:3	7
permitted. Object to asking the witness to form $11:3$	7
25 new opinions unrelated to the particular issue 11:3	7

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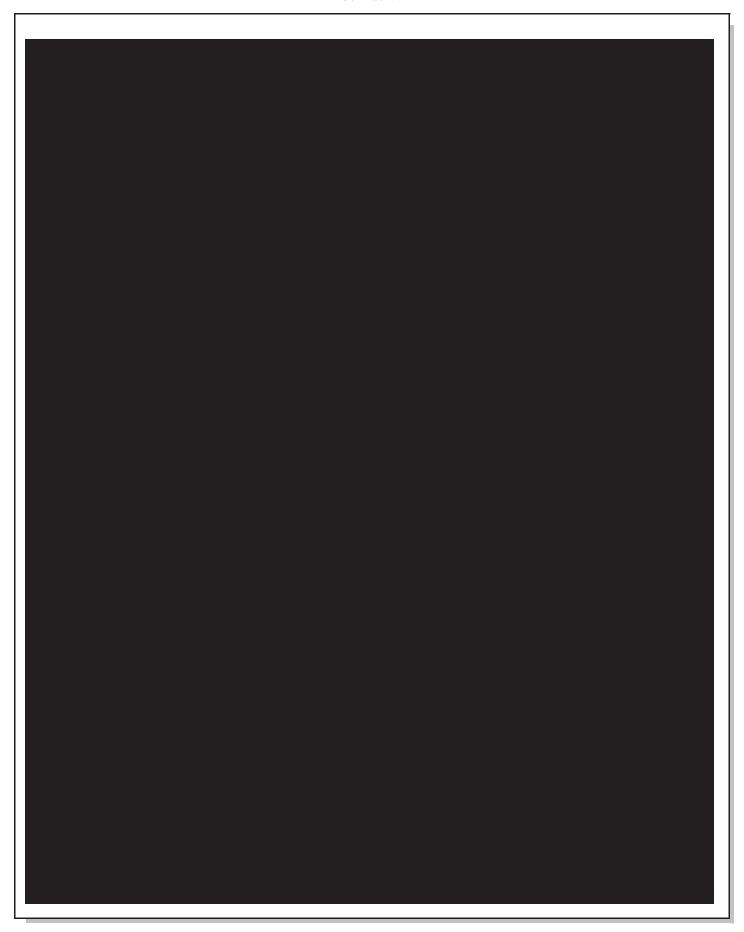
		Page 413
1	he's opined upon here today.	11 : 37
2	A. No, I didn't say I didn't say that it	11:37
3	would not infringe. In fact, I said that I would	11:37
4	perform a new analysis based on the new code and how	11 : 37
5	it was structured and exactly how it matched up with	11 : 37
6	the claim language and so on.	11 : 37
7	BY MR. BRIGGS:	11 : 37
15	Q. Correct, but in my hypothetical	11:38
16	A. Yes, in your hypothetical.	11:38
17	MR. MONACH: Hang on.	11 : 38
18	BY MR. BRIGGS:	11:38
23	Q. The code.	11:38
24	A. In some new code, okay.	11 : 38
25	Q. Right.	11:38

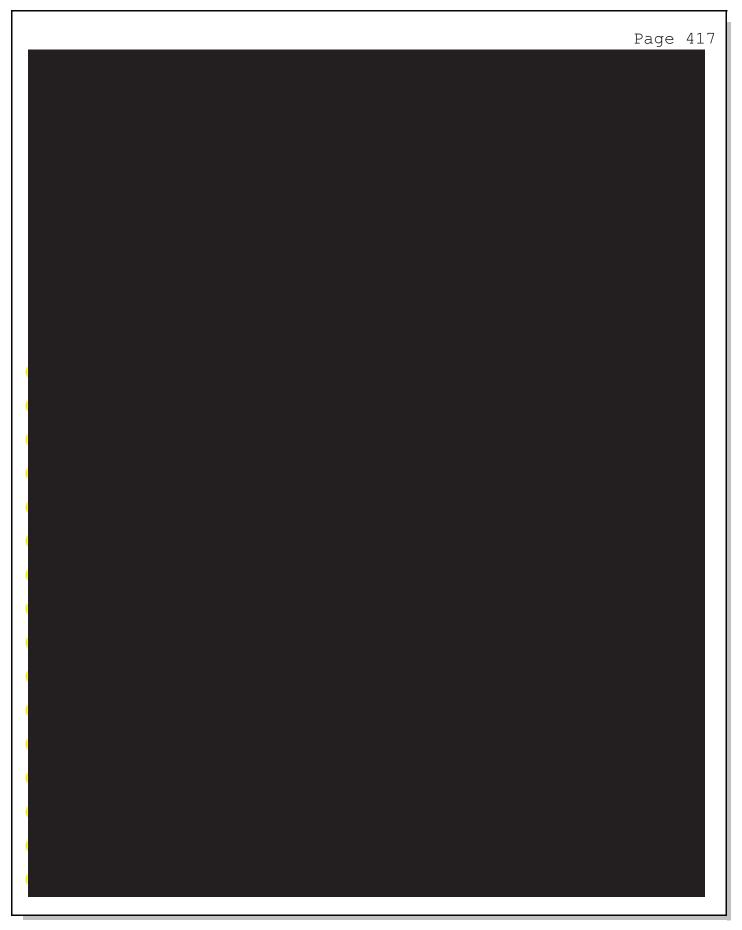
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		Page 414
1	A. Okay.	11:38
8	Now, in that case, a scale would not occur;	11:38
9	correct?	11:39
10	MR. MONACH: Objection. Lack of foundation,	11:39
11	incomplete hypothetical. Objection beyond the	11:39
12	scope of the discovery permitted, and you're	11:39
13	asking the witness to opine at the deposition on	11:39
14	some hypothetical different code than what	11:39
15	Samsung has provided in discovery.	11:39
23	And so, you know, any new code would need to be	11:39
24	provided as a very clear new working design, which I'd	11:39
25	be very happy to analyze were such a design presented	11:39

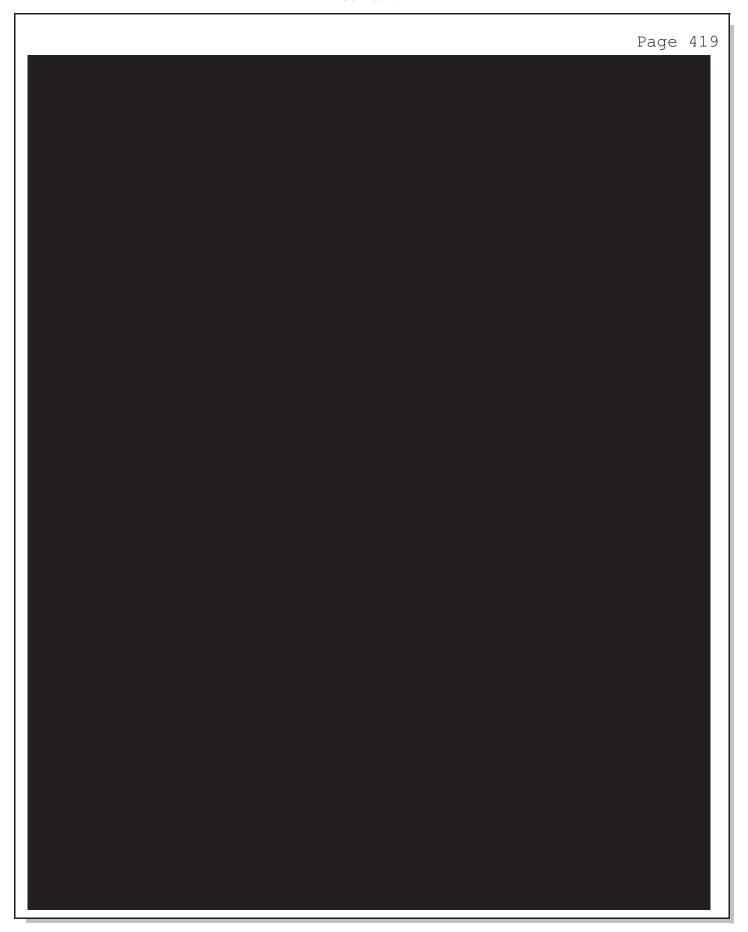
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		Page 415
1	to me.	11:40
2	BY MR. BRIGGS:	11:40
3	Q. Now, let's turn back to the code you	11:40
4	reviewed, the modified Samsung code you reviewed.	11:40
5	A. Okay.	11:40
25	BY MR. BRIGGS:	11:41









Page 481 1 CERTIFICATE OF REPORTER 2 I, JEANNE BULLIS, RPR, CSR, hereby certify that the testimony of the witness, KARANSHER SINGH, Ph.D., in the foregoing transcript taken on the 3rd day of December, 2012, was recorded by me in machine shorthand and 7 was thereafter transcribed by me; and that the foregoing transcript is a true and accurate verbatim record of the said testimony. 10 Before completed of the deposition, review of the 11 transcript (X) was () was not requested. If requested, 12 any changes made by the deponent (and provided to the 13 reporter) during the period allowed are appended hereto 14 I further certify that I am not a relative, 15 employee, counsel or financially involved with any 16 of the parties to the within cause, nor am I an 17 employee or relative of any counsel for the parties, 18 nor am I in any way interested in the outcome of the 19 within cause. 20 21 Signed: 22 Name: Jeanne Bullis 23 Date: 12/3/2012 24 25