

EXHIBIT S

1 A I believe I -- what was provided to me was
2 the entire. I'm not sure. It may have been the
3 entire document but I'm not sure.

4 Q When counsel provided you the entire file
5 history did they specify what you would need to read
6 or you read the whole thing?

7 A I read the whole thing that was provided to
8 me and I believe it is Exhibit No. 2 in my
9 deposition, in my -- sorry, in my declaration, yes.

10 Q Your declaration references a number of
11 what were called extrinsic evidence, dictionary
12 definitions and textbooks. How did you go about
13 selecting those definitions and textbooks excerpts
14 on which you rely?

15 A Yes. A couple of principles are applied.
16 One was certainly those needed to be definitions or
17 writings that existed prior to 2005, August 30th,
18 and also tried to find textbooks or dictionary
19 definitions that were concise, to the point, and as
20 precise as possible rather than leaving definitions
21 open ended.

22 Q Any other principles you used to select the
23 extrinsic evidence?

24 A I also made sure that the sources were
25 credible; that they were either published by a

1 publisher that I recognized or they were -- if they
2 were references on the website, that they were
3 credible and they were published in a place that I
4 would consider reasonable.

5 Q Did counsel for Apple instruct you where to
6 search, what types of publications to search for
7 extrinsic evidence?

8 MR. SHAH: Object to the extent it calls for
9 privileged communication, but you can answer it.

10 THE WITNESS: Not necessarily. They told me --

11 MR. SHAH: Again, just a caution on substance of
12 the communication.

13 Q BY MS. MAROULIS: Let me help you out. I
14 don't want to ask you what you spoke with them
15 about, my question is whether you were the one who
16 selected the extrinsic evidence in your declaration
17 or it was provided by counsel.

18 A Absolutely, yes, I understand. I selected
19 all of those.

20 Q In your search for a definition of "applet"
21 in extrinsic sources have you come across any
22 definitions that did not support your opinion?

23 A Yes, I did.

24 Q Can you give me examples of those?

25 A One example of those was Microsoft's

1 control panel applet which is -- which was a very
2 sort of exceptional use of the term "applet," a very
3 limited in terms of how widely the term "applet" is
4 used and how Microsoft was using it in that context.
5 That was one example.

6 Q Why do you consider Microsoft's use of the
7 term "applet" exceptional?

8 A Yes. Most applets are usually considered
9 to be Java applets and/or similar to Java, Java,
10 sort of Java-like applets in the sense that they are
11 interpreted, they are an application or an app
12 running within an application.

13 The Microsoft control panel applets are
14 executable codes, they're actually dynamically-
15 linked libraries that do not require interpretation,
16 they run directly on the processor.

17 Q You said that most applets are Java
18 applets. There are any applets that are not Java
19 ones?

20 A Yes, a number of them.

21 Q Can you list them, please?

22 A Yes. For example, there are Python
23 applets, there are AppleScript applets, there are
24 JavaScript applets, there are applets in the context
25 of Flash, the Flash programming environment.

1 Q So if a colleague came up to you and said
2 they're writing an applet you would not necessarily
3 know which one of those languages they were writing
4 it in?

5 A I would automatically assume --

6 MR. SHAH: Just give me a second.

7 Objection; vague.

8 You can answer if you understand the
9 question.

10 THE WITNESS: Yes, I would -- I would assume
11 Java applets because those are the most common types
12 of applets.

13 Q BY MS. MAROULIS: But they're not
14 exclusive, correct?

15 A Correct.

16 Q Besides the reason you stated about why
17 Microsoft was exceptional in use of applets, is
18 there any other reason why you did not pick the
19 Microsoft definition for your declaration?

20 MR. SHAH: Object to form.

21 THE WITNESS: Yes. I felt that that represented
22 a very small percentage of all of the applets that
23 or all of the kinds of applets and it would not be
24 the usual or the common understanding of the term
25 "applet."

1 Q BY MS. MAROULIS: Do you agree that at
2 least some people in the programming community when
3 they hear the word "applet" can think of a Microsoft
4 control panel applet?

5 A Some, yes.

6 Q And do you agree that was the case in 2005
7 as well?

8 A Yes.

9 Q Besides coming across the Microsoft control
10 panel applet, did you see any other definition of
11 "applets" in your research that diverged from the
12 one you picked for your declaration?

13 MR. SHAH: Objection; vague.

14 THE WITNESS: No.

15 Q BY MS. MAROULIS: Did you see any
16 definition of AppleScript applets?

17 A I first came to -- to see AppleScript
18 applets when I read Mr. Cole's declaration.

19 Q And upon reading Mr. Cole's declaration did
20 it remind you that there were in fact AppleScript
21 applets back in 2005?

22 A Yes, that is correct.

23 Q And in your research did you come across
24 the Python applets?

25 A I was aware of Python applets but I did not

1 necessarily come across a writing or a textbook.

2 Q Is it correct that Python applets existed
3 in 2005?

4 A Yes, that is correct.

5 Q In your research did you come across Flash
6 program applets?

7 A I was very well aware of Flash applets but
8 I did not find or obtain or look for documents
9 describing Flash applets.

10 Q You are aware they existed in 2005 as well,
11 correct?

12 A Yes.

13 Q Are you familiar with Linux applets?

14 A I am not.

15 Q Let's turn to your declaration on Page 5.

16 What is the invention of the '711 patent?

17 MR. SHAH: Objection; vague.

18 THE WITNESS: I can summarize the '711 patent as
19 being a method or a teaching of how to accommodate
20 multitasking on a mobile device.

21 Q BY MS. MAROULIS: Is there any reference to
22 Java in this patent?

23 A May I take a look?

24 Q Absolutely.

25 A No.

1 operating-system independent?

2 A This passage does not make reference to
3 operating-system independent. However, the
4 association between an applet and an application
5 module, together with the claim language and the
6 prosecution, the file history, does suggest to me
7 that the applet requires the application module as
8 a, sort of as a context, and that relationship is
9 what one would expect from Java applets or Java-like
10 applets, that interpreted.

11 Q Setting aside the claim language and
12 prosecution history, is it correct that there's
13 nothing in this particular passage that indicates
14 operating-system independence?

15 A Nothing in the passage mentions anything
16 about being operating-system independent, yes.

17 Q Let's take a look at the claim language.
18 For example, Claim 1 in Column 7, do you see that?

19 A Yes.

20 Q The relevant limitation is "Generating a
21 music background play object, wherein the music
22 background play object includes an application
23 module including at least one applet."

24 Is there any mention of operating-system
25 independence here?

1 A No.

2 Q Is there anything in this claim that you
3 see that supports your notion of operating-system
4 independence?

5 A What I see in this sentence, passage, is,
6 again, the association between an applet running or
7 an applet that is within an application module and
8 that association to me suggests a Java-like
9 interpreted environment.

10 Q Did you review the testimony of the
11 inventor of this patent?

12 A Yes. I reviewed a subset of it.

13 Q Did you see that the inventor who was
14 developing this technology was working with system-
15 dependent applets?

16 A That is correct, yes.

17 Q Which system-dependent applets was he
18 working with, to your understanding?

19 MR. SHAH: If you need to see any documents to
20 refresh your recollection, you can ask.

21 THE WITNESS: Yes. I think this one I can
22 answer without the document, but it was a Qualcomm
23 chipset.

24 Q BY MS. MAROULIS: Do you disagree that the
25 technology he was working on is described by Claim

1 1?

2 MR. SHAH: Object to the extent it calls for a
3 legal conclusion.

4 THE WITNESS: I have not formed that position
5 yet.

6 Q BY MS. MAROULIS: Do you understand that he
7 was asked during deposition about the embodiments of
8 the patent?

9 MR. SHAH: Same objection.

10 THE WITNESS: Yes. I'm not sure exactly what he
11 was asked.

12 Q BY MS. MAROULIS: If the technology that he
13 was working on embodies this claim would you agree
14 with me that the claim includes applets that are
15 also system dependent?

16 MR. SHAH: Same objection.

17 THE WITNESS: Based on -- I recognize that the
18 inventor was working with a system that was
19 OS-dependent, specifically the Qualcomm chipset.
20 However, that use of the term "applet" within that
21 context was unusual or it was not consistent with
22 the common understanding of the term "applet" at the
23 time and the '711 patent does not make that
24 distinction clear.

25 Q BY MS. MAROULIS: If the '711 patent does

1 not make a distinction clear between system
2 dependent and system independent, do you agree then
3 that includes both?

4 MR. SHAH: Objection to form.

5 THE WITNESS: It could include, it could be
6 both, but the common understanding again would be
7 that it is consistent with applets as being
8 OS-independent, as being the more likely case.

9 Q BY MS. MAROULIS: It is more likely but it
10 is not exclusively so, correct?

11 MR. SHAH: Objection; mischaracterizes his
12 testimony.

13 THE WITNESS: If I were to read this or if
14 somebody who would be familiar with the area were to
15 read this in 2005 it would be assumed or it would be
16 understood for an applet to be an OS-independent
17 applet.

18 Q BY MS. MAROULIS: Would a person reading
19 this in 2005 be aware of applets in other language
20 environments?

21 A Yes.

22 MS. MAROULIS: Okay. We can take a five-minute
23 break.

24 THE WITNESS: Thank you.

25 THE VIDEOGRAPHER: The time is 9:54 a.m. and we

1 are off the record.

2 (Recess)

3 THE VIDEOGRAPHER: The time is 9:59 a.m. and we
4 are back on the record.

5 BY MS. MAROULIS:

6 Q Mr. Givargis, before the break we were
7 discussing the '711 patent. Other than the
8 "specification," quote, we discussed and the coding
9 language, there's no other portion of the '711
10 patent that you are relying on in your declaration,
11 correct?

12 A I believe so, yes.

13 MS. MAROULIS: I would like to now switch to the
14 prosecution history which is Exhibit 5 and, for the
15 record, the document control numbers are
16 SAMNDCA00007840 through 8459.

17 Q What is your understanding, sir, of what a
18 file history is?

19 A Yes. It has three components, some of it
20 are identifying information or titles of various
21 documents and so on. Then it has another component
22 which is sort of the examiner's rejections and a
23 description of why those rejections are followed by
24 a response to the office action which comes from the
25 applicant in response to the rejections.

1 the relevant passage you were relying on appears on
2 Page 7873 of Exhibit 5?

3 A This appears to be a summary of the
4 interview that is consistent with the passage I have
5 been relying on, yes.

6 Q Did you interview any participants of this
7 interview?

8 A No, I did not.

9 Q So the only record of this interview you
10 are relying on is this summary here, correct?

11 A This summary and some of the additional
12 text, yes.

13 Q And the --

14 A Surrounding it.

15 Q And the followup filings by the applicants.

16 A Correct.

17 Q Is there anything in this interview summary
18 that mentions Java?

19 A No, there is not.

20 Q And is there anything in this summary that
21 mentions applet being system independent?

22 MR. SHAH: Objection. The document speaks for
23 itself.

24 THE WITNESS: No, there is not.

25 Q BY MS. MAROULIS: What in particular about

1 this summary that leads you to believe that it
2 supports your opinion?

3 A Yes. The term "applet" and how it is used
4 as being an application module includes at least one
5 applet; that phrase, once again, that association
6 between an applet requiring an application module to
7 exist.

8 Q Can both an applet and application module
9 exist even if applet is system dependent?

10 MR. SHAH: Objection; vague.

11 THE WITNESS: Yes.

12 You may have to tell me, elaborate a little
13 bit more on how this, how this applet is system
14 dependent.

15 Q BY MS. MAROULIS: Do you agree that in
16 general you can have a system-dependent applet and
17 the application module to exist at the same, in the
18 same space?

19 A You can have a system-dependent applet
20 separately from having an applet that is operating-
21 system independent that runs within an application
22 system module if that is the question, yes.

23 Q In the context that the inventor of this
24 patent testified about where he was working with
25 Qualcomm on this technology, isn't that correct that

1 he had the application module and a system-dependent
2 applet?

3 MR. SHAH: Objection; calls for speculation.

4 THE WITNESS: Based on what I know it is not
5 clear to me if both of those existed in the same
6 system.

7 Q BY MS. MAROULIS: Is there anything that
8 leads you to believe that the application module did
9 not exist in the system that Mr. Jeong was working
10 with?

11 A Based on the very little I know about that
12 effort, it is not clear to me if there was an
13 application module in addition to the applet or
14 if -- if there was no application module in addition
15 to the applet.

16 Q If the technology he was working with was
17 the embodiment of the claims of the '711 patent
18 would you agree that it would include both the
19 application module and the system-dependent applet?

20 MR. SHAH: Object to the extent it calls for a
21 legal conclusion.

22 THE WITNESS: I believe I'm not familiar enough
23 with the system he was building as I mentioned
24 earlier. I know it involved the Qualcomm chipset and
25 I do know it involved things that were called

1 applets which were OS-dependent but to the extent of
2 what other application modules existed in this
3 system or what other software systems were executing
4 in the environment, I do not have enough information
5 about that to draw a conclusion, yes.

6 Q BY MS. MAROULIS: Did you review his notes
7 relating to the system that he was building that was
8 part of the '711 patent?

9 A I recall being provided some notes that
10 were in Korean which I was unable to understand.

11 In those notes there were certain English
12 phrases or words, including the word "applet," and
13 so I did come across those but I was unable to draw
14 any conclusions from that or to be able to
15 understand anything about the system.

16 Q Did you ask counsel for an English
17 translation of the document?

18 A I may have indicated --

19 MR. SHAH: I will just caution you not to reveal
20 the substance of the communications between us.

21 THE VIDEOGRAPHER: Sorry to interrupt.

22 Could you bring your microphone a little
23 bit higher? It is sliding. Thank you.

24 THE WITNESS: It is possible I may have asked
25 that a translation would help.

1 Q BY MS. MAROULIS: Did counsel provide you
2 with a translation?

3 A I do not recall having reviewed the
4 translated versions.

5 MR. SHAH: Just I would like to state for the
6 record we only received permission for Dr. Givargis
7 to review the declaration from Cole on Sunday night.

8 MS. MAROULIS: I'm going to mark the next
9 exhibit, Exhibit 6, and this one bears a protective
10 order designation of "Highly Confidential -
11 Attorneys' Eyes Only." It has production range
12 SAMNDCA00139800.

13 (Givargis Exhibit 6, a document, Bates No.
14 SAMNDCA00139800, marked for identification,
15 as of this date.)

16 Q BY MS. MAROULIS: Dr. Givargis, have you
17 seen Exhibit 6 before?

18 A Yes. More recently as part of Mr. Cole's
19 declaration.

20 Q Did you understand that this was the
21 working records of the inventor of the '711 patent
22 relating to conception reduction to practice?

23 A Yes.

24 Q And this one is in English, correct?

25 A That is correct, yes.

1 Q So the answer is no?

2 A Yes. No.

3 Q Let's turn to Exhibit 5 on Pages 7879
4 through 7885.

5 MR. SHAH: Take whatever time you need to review
6 the document.

7 THE WITNESS: Yes.

8 Q BY MS. MAROULIS: The particular document
9 that I will be asking you about is called "Remarks/
10 Argument," do you see that?

11 A Yes.

12 Q Is that a paper that you relied on in your
13 report?

14 A Let me just read through it one second.

15 Q Take your time.

16 A Yes.

17 MR. SHAH: Let me just -- if you need to refer
18 to your report to answer your questions, you can do
19 so.

20 Q BY MS. MAROULIS: If it would help you, the
21 portion of your report that reviews the file history
22 starts with Page 8. In Paragraph 37 of your
23 declaration you cite to the passage that starts on
24 Page 6 of the file history.

25 This passage does not discuss applet being

1 system independent, correct?

2 A That is correct, yes.

3 Q What about this passage do you believe
4 supports your opinion?

5 A This passage also refers to, includes an
6 application module including at least one applet so
7 there is this applet being included within an
8 application module property that is consistent with
9 the Java-like execution environment of applets which
10 I rely on for my definition of "applets."

11 Q Can this notion of inclusion of the applet
12 within the application that you refer to exist
13 outside Java?

14 MR. SHAH: Objection; form.

15 THE WITNESS: Yes. This notion of inclusion is
16 actually a very, very common design, sort of a
17 paradigm where one application serves as a host
18 interpreting another application or a set of
19 application on, if you will, on top. And this is
20 the Java model of execution where the Java codes or
21 Java applications are interpreted by the host
22 application. For example, a browser. It is also
23 consistent with all interpreted language like Ruby
24 or PHP or even AppleScript and JavaScript.

25 Q BY MS. MAROULIS: In the context of the

1 host application can an applet be still system
2 dependent or are you saying it is always system
3 independent?

4 A Typically.

5 The purpose of this inclusion or this
6 framework that I just described is to make the
7 applet OS-independent. I'm certain there is an
8 example or an exceptional case or a scenario where
9 one would build an applet that bypasses that notion
10 so -- it is not universally the case but commonly
11 the case.

12 Q Can you give me an example of such a
13 situation where you would have a host application
14 and still have a system-dependent applet?

15 A Well, one example could be an applet that
16 exploits certain weakness or error or shortcoming of
17 the host application to gain access to the
18 underneath operating system, so in that sense that
19 applet is certainly OS-dependent.

20 In another example, it could be that that
21 applet is designed to take advantage of certain
22 resources of Operating System A and those resources
23 may not be available on Operating System B and in
24 that case too that applet would be dependent on
25 Operating System A and not portable to Operating

1 I do recognize that there are sometimes in
2 conversational computer science used
3 interchangeably.

4 Q BY MS. MAROULIS: Do you agree these two
5 terms can be used interchangeably in the context of
6 the '711 patent?

7 MR. SHAH: Objection; asked and answered.

8 THE WITNESS: Yes, my answer would be the same.
9 I believe that it is important to recognize that an
10 application is more than just a program but that in
11 the field of computer science oftentimes a program
12 is used when an application would work equally as
13 well.

14 Q BY MS. MAROULIS: Besides Paragraph 11, are
15 there any other portions of Mr. Cole's declaration
16 that you agree with?

17 MR. SHAH: Take whatever time you need to review
18 the document.

19 THE WITNESS: Yes. If you don't mind, I will
20 quickly look at the exhibits. Not the exhibits but
21 the description in the declaration.

22 Q BY MS. MAROULIS: Please go ahead.

23 A I believe we both agree that the '711
24 patent and the prosecution history does not define
25 the term "applet" adequately.

1 Q Do you believe Mr. Cole says that applet is
2 not adequately defined by the intrinsic record?

3 A Mr. Cole mentions that there is limited
4 discussion in the specification and claims of the
5 '711 patent, as well as the prosecution history, as
6 to the definition of the term "applet." That is
7 consistent with my understanding of my view of
8 things that the term "applet" is not adequately
9 defined in the patent.

10 Q Mr. Cole himself does not use the word
11 "inadequate" or "not adequate," right?

12 A That is correct, yes.

13 Q So you agree with Mr. Cole that there is
14 limited intrinsic material in which to rely on.

15 A That is correct, yes.

16 Q Anything else that you and Mr. Cole agree
17 on?

18 A Yes. In the "Extrinsic Evidence" section I
19 do agree with many of the examples that are
20 presented; for example, AppleScript applets, Linux
21 applets, Ruby applets, as being the kinds of
22 applets, different, not necessarily Java applets.
23 However, all of these, or at least the ones I just
24 enumerated, do follow the Java-like interpreted
25 nature of applets.

1 Q And by that you mean AppleScript ones and
2 Ruby ones?

3 A By that I mean AppleScript applets, Linux
4 applets, Ruby applets and the Flash and Visual Basic
5 applets. Those are all based on an interpreted
6 language.

7 Q Are any of these applets system dependent?

8 A In my view what makes an applet system
9 independent is the fact that it can be transported
10 or transferred from one, one environment, one
11 operating system to another without the need of
12 reprogramming it or, you know, verbatim, in essence,
13 without having to redesign it. And these
14 interpreted -- the interpreted nature of these other
15 kinds of applets is consistent with that model.

16 Q So you are saying that, for example,
17 AppleScript applet is an operating-system
18 independent applet?

19 A In my view AppleScript applets are
20 specifically or mostly found or maybe even entirely
21 found within the Mac OS operating-system
22 environment, but my definition of being operating-
23 system independent is not based on availability of
24 an applet or the fact that it is only popular or
25 used within a particular operating system, but it is

1 the interpreted nature of it which makes it a very
2 high-level program easily portable to, in the sense
3 that it would not require reprogramming to another
4 operating system. In that sense, yes, AppleScript
5 applets are scripts that can be executed on another
6 operating system.

7 Q Does the definition of operating-system
8 independent that you just used appear anywhere in
9 your expert declaration?

10 A I do not think so.

11 Q When did you form this opinion about what
12 it means to be operating-system independent?

13 A In the process of research and on this case
14 it was necessary to think and to try to formulate a
15 working definition so that I could actually do my
16 work.

17 Q Is there any reason why you did not include
18 this definition in your declaration?

19 A No particular reason other than I felt that
20 it is -- it is well understood in this case.

21 Q In your declaration you primarily define --
22 strike that.

23 In your declaration you refer to operating-
24 system independence as equivalent to Java most of
25 the time, correct?

1 MR. SHAH: Objection. The document speaks for
2 itself.

3 THE WITNESS: In my document I use Java as a
4 very good example of an operating-system independent
5 environment in programming language paradigm, you
6 will say. But it certainly is not the only
7 operating-system independent kind of applet for
8 language.

9 Q BY MS. MAROULIS: The definition of
10 operating-system independent you just used today is
11 broader than what you used in your declaration,
12 correct?

13 MR. SHAH: Objection; mischaracterizes his
14 testimony.

15 THE WITNESS: Can you refer me to the definition
16 I have used in the declaration?

17 Q BY MS. MAROULIS: I understand your
18 declaration to equate Java and operating-system
19 independence; is that right?

20 A It is the case that Java is an operating-
21 system independent programming language.

22 Q Nowhere in your declaration have you
23 actually stated the definition of the operating-
24 system independence that you used a few minutes ago
25 when I asked you a question; is that right?

1 MR. SHAH: Objection; the document speaks for
2 itself.

3 THE WITNESS: That is correct, yes.

4 Q BY MS. MAROULIS: Now Mr. Cole considers
5 the applets you and I have been discussing systems,
6 operating-systems dependent, correct?

7 A Mr. Cole lists these applets and in some
8 cases draws that conclusion. For example, in the
9 case of AppleScript it says that AppleScript is a
10 system scripting language used for the Macintosh OS
11 operating system.

12 Q Do you disagree with him with respect to
13 that?

14 A I do not disagree with him but I'm not
15 certain if what Mr. Cole, for instance, says in 52
16 eliminates the possibility of AppleScript being
17 operating-system independent.

18 Q Would you be able to run an AppleScript
19 applets on a Windows computer?

20 A If I could obtain the specification for
21 AppleScript programming language, the scripting
22 language, and if I were to build an interpreter that
23 ran natively on Windows, then I could take an
24 AppleScript applet and, without modification, run it
25 or interpret it on the Windows environment.

1 THE WITNESS: That is my understanding, yes.

2 Q BY MS. MAROULIS: In reviewing the
3 extrinsic evidence sources that Mr. Cole cites did
4 you see any sources that you have previously
5 encountered in your day-to-day job as a programming
6 professor, an expert?

7 MR. SHAH: Object to form.

8 THE WITNESS: The one that I would be most
9 familiar with is Python applets. Python is -- has
10 become a popular language and it is used heavily in
11 universities for teaching.

12 Q BY MS. MAROULIS: Do you agree with Mr.
13 Cole's description of Python applets?

14 A I recognize that Python applets are used in
15 the context of Linux or Ubuntu, a particular
16 distribution of Linux. However, Python applets are
17 written in the language Python which is an
18 interpreted language and Python is available for
19 Windows, Python is available for various flavors of
20 Linux, there is even a Python interpreter that would
21 run on a MAC OS, so I believe the conclusion that
22 these applets, these Python applets are specific on
23 Linux or Ubuntu is false.

24 Q So you don't believe that Python apps --
25 pardon me, Python applets are systems dependent in

1 the Linux program?

2 MR. SHAH: Objection; mischaracterizes.

3 THE WITNESS: Python is a programming language
4 independent of Linux and it is an interpreted
5 language and there exists interpreters on a number
6 of platforms that I know of including Windows, Mac
7 OS and Linux that would support executing a Python
8 applet on those other operating systems.

9 Q BY MS. MAROULIS: You would only be able
10 to -- strike that.

11 You would only be able to execute those
12 applets with a help of a translator or interpreter,
13 correct?

14 A That is correct. And it is applicable to
15 interpreted languages in general, yes.

16 Q And the same is true of all the applets
17 listed in Mr. Cole's declaration on Paragraphs 14 --
18 strike that. Paragraphs 51 through 58, correct?

19 A That is not correct. 51 is a control panel
20 applet that Microsoft has, has used. This
21 particular applet is -- is one that is OS-dependent
22 and does not follow the interpreted nature of some
23 of these other applets that we have been looking at.

24 Q You are referring to Paragraph 51 that
25 describes the desktop applets, correct?

1 A That is correct, yes.

2 Q So that's an example of an applet that is
3 strictly systems dependent, operating-systems
4 dependent?

5 A Microsoft-controlled panel applets are
6 operating-system dependent. In particular, the
7 Microsoft operating system.

8 Q I think we've talked about AppleScript and
9 Linux applets before. What about the Ruby applet?

10 A Yes. Ruby applets are also interpreted and
11 the Ruby language is an interpreted language.
12 Applets written in this language can be executed by
13 any translator or interpreter available on a
14 particular platform.

15 Q And, again, without a translator it only
16 can run on the window-specific environment, correct?

17 MR. SHAH: Objection; calls for speculation.

18 THE WITNESS: Any Ruby program would just be a
19 file and unusable unless there is a translator
20 available to parse and interpret and translate
21 instructions to in this case Windows.

22 Q BY MS. MAROULIS: Are you familiar with the
23 Flash applets mentioned in Paragraph 57 of Mr.
24 Cole's declaration?

25 A Yes, I'm familiar with Flash to the extent

1 that I know there is a Flash language and there is a
2 Flash Plug In or player that is very, in common use,
3 and that it follows the same model of Ruby or Python
4 applets that we were discussing earlier but it has
5 an emphasis towards graphical display and video
6 streaming and multimedia in general.

7 Q Is it systems dependent or independent?

8 A Flash applets would require a Flash player.
9 Any system that supports the Flash player can
10 operate or run a Flash applet.

11 Q So would you agree with me that Flash
12 applets are systems, operating-systems dependent
13 insofar as they need to have a Flash Plug In to
14 operate?

15 A If you were to call the Flash Plug In an
16 operating system then yes.

17 Q Can you please review the portion of Mr.
18 Cole's declaration that starts with Paragraph 59 and
19 is entitled "Applet Does Not Have to be Operating
20 System Independent" And let me know if there are any
21 portions that you agree with.

22 A So in section, in Paragraph 59 I do agree
23 that applet, the term "applet" is an overloaded
24 term, it has been defined in many, many ways.
25 However, most, the common or the rule when it comes