

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

APPLE, INC.,

Petitioner,

V.

VIRNETX INC.,

Patent Owner.

Case IPR2015-00810 (Patent 8,868,705 B2)

Case IPR2015-00811 (Patent 8,868,705 B2)

Case IPR2015-00812 (Patent 8,850,009 B2)

Wednesday, June 8, 2016

Before HONORABLE KARL D. EASTHOM, HONORABLE
JENNIFER S. BISK, and HONORABLE GREGG I. ANDERSON,
Administrative Patent Judges.

Hearing in the above matter was held at the U.S. Patent &
Trademark Office, Patent Trial and Appeal Board, Madison Building, 9th
Floor, Hearing Room A, 600 Dulany Street, Alexandria, Virginia, at
1:30 p.m.

Reported by Elizabeth Mingione, RPR and Notary Public for
the Commonwealth of Virginia.

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P R O C E E D I N G S

(1:30 p.m.)

JUDGE BISK: Please be seated. Judge
Anderson, can you hear us?

JUDGE ANDERSON: I can. Thank you.

JUDGE BISK: Okay. Great. So this is a
hearing for Apple, Inc. versus Virnetx, Inc. And it's three
separate cases that we are hearing together,
IPR2015-00810, 2015-00811 and 2015-00812.

As you can see, we have Judge Anderson
joining us on video from Denver. Or where are you
joining us from? Are you in California or Denver today?

JUDGE ANDERSON: I'm in California today.

JUDGE BISK: California. So please be aware
of that and try to direct all of your speaking into the
microphone. Otherwise, Judge Anderson can't hear you.

He also can't see the board. So if you are
using your slides, be sure to tell us which slide number
you are on. And with that, we have 40 minutes per side.
And can the parties tell us who's here for each party.

MR. BORDER: Yes, Your Honor. Scott
Border for Petitioner, Apple. And with me is Tom
Broughan.

1 MR. ZEILBERGER: Your Honor, Daniel
2 Zeilberger for patent owner; lead counsel, Joseph Palys;
3 Naveen Modi, chief counsel.

4 JUDGE BISK: Okay. And, Petitioner,
5 whenever you are ready. Did you want to save time for
6 rebuttal?

7 MR. BORDER: Yes, Your Honor. I plan on
8 saving about 15 minutes.

9 JUDGE BISK: Okay.

10 MR. BORDER: May I approach with
11 demonstratives?

12 JUDGE BISK: Sure.

13 MR. ZEILBERGER: Your Honor, would you
14 like us to provide you our demonstratives as well?

15 JUDGE BISK: Sure. Whenever you are ready.

16 PRESENTATION FOR PETITIONER

17 MR. BORDER: Good afternoon, Your Honors.
18 May it please the Board. We are here to
19 discuss three proceedings involving two patents owned by
20 Virnetx, the '705 and the '009 patents.

21 There are two primary prior art references
22 we'll be discussing today, Exhibit 1007, a U.S. patent to
23 Beser, and Exhibit 1009, which is an Aventail reference
24 publication. We'll also be discussing RFC 2401, which is
25 Exhibit 1008.

1 Can you change to slide 15, please.

2 Very quickly I want to go over Claim 1 of the
3 '705 patent. The '705 describes a method of creating an
4 encryptic communications channel between a client and
5 target device, and comprises three steps.

6 The first step is intercepting from the client
7 device a request to look up the IP address. The second
8 step is determining whether that request corresponds to a
9 device that accepts an encrypted channel connection. The
10 final step is in response to that determination, providing
11 certain provisioning information to initiate the creation of
12 the encrypted communication channel.

13 The basic steps of Claim 1 of the '009 patent
14 are similar, but they are from the point of view of a client
15 device, rather than a server. There are some distinctions.
16 I'll touch on those shortly.

17 On slide 3, I've created a brief road map of the
18 issues we are going to discuss today with respect to the
19 '810 and '812 proceedings. There are four primary issues
20 I want to address.

21 But, first, before I get into these, I want to
22 walk through the combination of Beser and RFC 2401, and
23 then I'll focus on these issues of dispute. Slide 4, please.

24 This slide includes two figures from Beser and
25 one excerpt from RFC 2401. At the top left is Figure 1 of

1 Beser. And it shows the basic architecture of the
2 disclosed system.

3 Beser describes a method of creating a tunnel
4 between two devices, two end devices over a public
5 network. The tunnel permits those devices to
6 communicate anonymously over a public network. The
7 tunnel is created with the assistance of first-party network
8 device 14, second-party network device 16, and trusted
9 third-party device 30.

10 Now, to the right of the screen is Figure 6 in
11 the Beser patent. And it describes the basic process the
12 Beser method undergoes in order to establish this
13 tunneling association. The originating device, that's 24,
14 device 24, generates a request for a tunneling association
15 to -- and that request includes a domain name of device
16 26. That request is received first at the first network
17 device 14.

18 There, the first network device 14 evaluates
19 the request and forwards it to the trusted third-party
20 network device 30. In both circumstances, the request
21 pertains to device 26, but is received at either device 14
22 or device 30. After --

23 JUDGE BISK: So which are you saying is
24 intercepting it?

1 MR. BORDER: Well, Your Honor, what we
2 are pointing to are two different interceptions in this -- in
3 the Beser method. First, the device 14 intercepts the
4 request, and then device 30 also intercepts the request.

5 JUDGE BISK: Okay.

6 MR. BORDER: After the trusted third-party
7 device receives this request, it uses information in the
8 request, including the domain name of terminating device
9 26, to look up the public IP address, the second network
10 device, and the terminating device. This information is
11 used to subsequently establish a tunnel.

12 Now, I've included an excerpt from RFC 2401.
13 And this is at page 25 of RFC 2401. RFC 2401 describes
14 the IP sect protocol. It describes a method of -- the
15 protocol describes a method of automatically encrypting
16 traffic sent over a public network.

17 In Case 3 of RFC 2401 shows a network
18 configuration that we relied on in our petition that is very
19 similar to the architecture of Beser. It describes two end
20 devices, H1 and H2. And it describes an association with
21 each one of those end devices, SG1 and SG2. And what
22 RFC 2401 tells us is it describes a way to create an
23 end-to-end encryption between H1 and H2, the two end
24 devices.

1 And what we explained in our petition is that a
2 person of ordinary skill would look at this figure and
3 would recognize the parallel network structure between
4 Case Number 3 and RFC 2401 and the Beser architecture.

5 And that's in our petition at page 28. And Dr.
6 Tamassia also discussed this in his declaration, Exhibit
7 1005, at 396 to 397.

8 Let's first talk about whether combining Beser
9 and RFC 2401 would have been obvious to one of ordinary
10 skill in the art. As we explained in our petitions, the
11 answer is yes. Slide 6 please.

12 Beser, at column 1, lines 54 through 58, tells
13 us that ordinarily a sender can encrypt information inside
14 an IP packet using this IP sect protocol. But Beser also
15 notes that doing that does not hide the identities of the
16 communicating parties.

17 And in the bottom passage, which is at column
18 2, lines 1 through 5, Beser goes on to note that this lack
19 of anonymity creates a security problem even when
20 encryption is used to encrypt that information. Slide 7,
21 please.

22 So Beser, what Beser discloses is a method --
23 is that this tunneling method that helps to solve this
24 problem.

1 JUDGE EASTHOM: So, Counsel, say if Beser
2 does hide the addresses using this anonymity tunnel
3 technique, are you saying that a hacker could not then
4 determine what those private addresses are if they were
5 given enough information in terms of whether or not if it's
6 encrypted?

7 MR. BORDER: Well, what I think Beser is
8 telling us is because it does use private IP addresses,
9 those are not relevant. Those are not IP addresses that a
10 -- for example, an outside hacker could use to find out
11 what those devices are. Those are IP addresses that are
12 assigned by the first and second network devices in Beser.
13 So they themselves mean nothing to an outside hacker.

14 And because they are able to use these private
15 IP address -- excuse me -- because they are able to use
16 these private IP addresses, they are able to complement
17 encryption by providing this anonymity that encryption
18 itself won't provide. And Dr. Tamassia said the same
19 thing. And this is in Exhibit 1005 at paragraph 398 to
20 400.

21 Now, Patent Owner contends that Beser
22 actually teaches away from using encryption, but we don't
23 agree. As we saw earlier, Beser teaches that it is a
24 complement to encryption, not a replacement for it. Go to
25 slide 11.

1 JUDGE BISK: I have a question. Is there any
2 difference between the arguments on this particular issue
3 in this case than there were in the --

4 JUDGE EASTHOM: 237?

5 JUDGE BISK: -- 237 case?

6 MR. BORDER: Well, Your Honor, I was just
7 about to address that.

8 JUDGE BISK: Okay. MR. BORDER: In the
9 IPR2014-237 --

10 JUDGE BISK: What slide is this?

11 MR. BORDER: Your Honor, excuse me. This
12 is slide 11.

13 JUDGE BISK: Thank you.

14 MR. BORDER: In the IPR you just referred
15 to, which is 2014-00237 at 41, the Board considered this
16 exact same issue. And Patent Owner has offered no new
17 evidence or no new arguments in these proceedings such
18 that there is no reason for the panel to depart from that
19 previous determination.

20 JUDGE BISK: Can I ask kind of some
21 technical questions about the similarities here. So the
22 patent at issue in 237, is the specification for that patent
23 exactly the same as the two patents in this case?

24 MR. BORDER: It's not exactly the same, but
25 it is virtually the same. The patent that we are dealing

1 with here, I believe, is a child of the patent, but -- and the
2 relevant disclosure that we are sort of analyzing is
3 virtually identical.

4 JUDGE BISK: Okay.

5 JUDGE EASTHOM: What about the
6 determining step? I mean, given that you are combining
7 2401 with Beser to reach encryption, how does the Beser
8 system determine that these end devices are available for
9 the encrypted part of the Claim 1? It says -- hold on one
10 second -- determining whether the request to look up the
11 IP address corresponds to a device that accepts an
12 encrypted channel connection with the client device.

13 So I guess I'm wondering -- I can see how
14 Beser might determine what we found in the 237 case that
15 these things are for secure communication because they
16 have a private IP address, if they are listed. That's kind
17 of what we read, I think, in the 237 case.

18 But how do you go to the next step and say,
19 okay, they also show that this secure device is encrypted,
20 if you are using Beser with 2401 to sort of get the
21 encryption part of it?

22 MR. BORDER: So, just to be clear, Your
23 Honor, are you asking the determination step in Beser,
24 how does it determine whether or not one of these end

1 devices is one that accepts an encrypted channel
2 connection?

3 JUDGE EASTHOM: Correct.

4 MR. BORDER: Well, Your Honor, what Beser
5 tell us is that the third-party trusted network device is a
6 modified DNS server. And it contains a database. And
7 this database includes the IP addresses. For example, the
8 second network device and devices that correspond --

9 JUDGE EASTHOM: I understand that. It
10 looks up a private address and figures out whether this
11 thing can be connected in a secure method. And using
12 this anonymity technique, but how does that get you to the
13 encryption part of that?

14 MR. BORDER: Well, the encryption part is
15 supplied by RFC 2401.

16 JUDGE EASTHOM: So how does Beser know
17 that this device is ready for encryption, Beser's system?
18 Are you combining the two somehow? I'm trying to figure
19 out how you are reaching that step and where you address
20 that.

21 MR. BORDER: Well, Your Honor, I believe
22 what we explained in our petition, and this is -- what we
23 explained in our petition are that the end devices are --
24 the devices that are included in this database, the database
25 discussed at column 11, lines 20 through 58, and this is a

1 petition at 33; these are devices that support the
2 encryption.

3 And by virtue of being in this directory
4 service, this database, that is a determination that it is
5 available for the secure communication service.

6 JUDGE EASTHOM: So what you are saying
7 then is that all the secure devices that are listed there that
8 are able to provide anonymity, those all are -- those all
9 have encryption in your combination. Is that --

10 MR. BORDER: That's correct, Your Honor.
11 They all support end-to-end -- in the combination, these
12 are devices that support an end-to-end encryption.

13 JUDGE EASTHOM: Okay.

14 MR. BORDER: Let's go back to slide 14,
15 please. You have to focus on the second step for a
16 second. This is whether Beser and RFC 2401 show a
17 request to look up an IP address.

18 If we can quickly go to slide 4, please. And
19 the request we are talking about here is the request from
20 the originating device 24 that includes the domain name of
21 device 26. This is request 112. Please go to slide 15.

22 The first step is intercepting from the client
23 device a request to look up an IP address corresponding to
24 a domain name associated with the target device. Let's go
25 to slide 17.

1 We showed in the petition that Beser explains
2 that two IP addresses are actually looked up in response to
3 this request, the public IP address for the second network
4 device, and the private IP address for the terminating
5 device.

6 We also showed in our '812 proceeding that
7 this satisfies the '009 patent as well, which uses a similar
8 phrase, DNS request to look up the network address.
9 That's based on the agreement between the parties that the
10 construction of a DNS request is a request for resource
11 corresponding to a domain name.

12 In response, Patent Owner argues that Beser
13 does not look up an IP addresses, but that's not true. Let's
14 go to slide 21 please. This is the slide that we looked at
15 before.

16 And, again, it explains to us that what the
17 third-party network device does is it consults a database
18 as a typical domain name server would do, and associates
19 the IP address of the second network device with the
20 unique identifier, the domain name it receives in the
21 request.

22 So apart -- so in fact the third-party network
23 device does perform a look up. Dr. Tamassia agreed, if
24 you can go to slide 22, this is at column -- Exhibit 1005,
25 paragraph 310. He agreed that this disclosure in Beser

1 supports our evidence that Beser, in fact, does disclose a
2 look-up. And, in any event, the claims do not specify that
3 a look-up is performed, nor discuss the mechanics of how
4 it is performed.

5 Let's very quickly go to slide 24. Now, Patent
6 Owner makes --

7 JUDGE BISK: I kind of -- I think I
8 understood their argument a little differently, which is not
9 that nobody doesn't DNS request, just that it's not the
10 originating -- the originating requestor, or they are
11 initiating a tunnel, not requesting a DNS.

12 MR. BORDER: Well, Your Honor, the
13 construction in the '812 proceeding, the agreed
14 construction agreed to by both parties was simply a
15 request for a resource corresponding to a domain name.

16 JUDGE BISK: Right. But I think their
17 argument is that it's the wrong entity doing the looking
18 up, if I'm not mistaken.

19 MR. BORDER: I understand your question,
20 Your Honor. That's incorrect. If we can go to slide -- and
21 let me show you how or why. Let's go to 25, please, slide
22 25.

23 It's actually not true. It's actually the
24 preferred embodiment of Beser that explains that the
25 negotiation that takes place is performed by the third

1 party, the trusted third-party network device. And this is
2 in Beser at column 9, lines 29 through 30.

3 And what the trusted third-party network
4 device says is not only does it look up the IP address of
5 the second network device, it also through this negotiation
6 method between the first and second network devices also
7 determines the private IP address of the terminating
8 device 28. So it actually looks up two.

9 JUDGE BISK: Can we look at one of the
10 claims for a minute, maybe Claim 1 of the '009 patent is
11 what I have right in front of me.

12 MR. BORDER: Of the '009 patent?

13 JUDGE BISK: Yeah, if you have it handy. So
14 I'm trying to figure out from this claim language what is it
15 that sends the DNS request?

16 MR. BORDER: What is it in Beser, Your
17 Honor?

18 JUDGE BISK: Or what is it in the claim, first,
19 and then what is it in Beser?

20 MR. BORDER: Well, Your Honor, this is -- in
21 this claim it's simply a network device that would ascend
22 this domain name service request. And so in Beser what
23 we've pointed to was the originating device 26. If you can
24 go to slide 24, please.

1 JUDGE BISK: Right. And so if the network
2 device is the originating device, then you seem to kind of
3 change in the middle of there and say now it's actually the
4 third-party trusted device that actually sends the DNS
5 request, right?

6 MR. BORDER: Oh, I'm sorry. Maybe I
7 misspoke. The device 24 is the device that generates the
8 request to look up an IP address. It is intercepted by
9 device 14 and device 30. The look-up is performed by
10 device 30.

11 JUDGE BISK: Okay. And so tell me again
12 how the originating device 14, is it? I am sorry, 24.

13 MR. BORDER: 24, Your Honor.

14 JUDGE BISK: How is it requesting a DNS
15 look-up?

16 MR. BORDER: Well, again, the agreed
17 construction of a DNS look-up -- do you have the Patent
18 Owner response at 3?

19 MR. BROUGHAN: Let me get that.

20 MR. BORDER: The requested look-up -- this
21 is Patent Owner's response in the '812 proceeding. The
22 DNS request was agreed to be simply a request for a
23 resource corresponding to a domain name. So as you can
24 see from the agreed constructions, there is no requirement

1 that they follow any sort of protocol, any DNS protocol,
2 for example.

3 Your Honor, does that address your question?

4 JUDGE BISK: So by initiating a tunnel, you
5 say initiating a tunnel qualifies?

6 MR. BORDER: Yes. Yes, Your Honor. This
7 is very broad language. It's simply a request for a
8 resource. The resource that is returned is an IP address.
9 And there is no dispute that that is a resource in the
10 claims.

11 Let's go to slide 27, please. Actually, let's go
12 slide 26. Just to conclude on that issue, this similar issue
13 came up in IPR2014-00237. There the Board also found
14 that the request in Beser was a request to look up an IP
15 address.

16 This was in the final written decision at page
17 24. And again the Patent Owner has offered no reason for
18 the Board to depart from that previous, incorrect
19 determination.

20 Slide 27, please. Next, let's talk about
21 whether the request in Beser is intercepted. Slide 4,
22 please. Again we are -- JUDGE BISK: Can I ask a
23 question?

24 MR. BORDER: Yes, Your Honor.

1 JUDGE BISK: I'm sorry. There's a lot of
2 discussion on claim construction in the brief that seems
3 like in the end didn't really apply to these cases. But one
4 thing that nobody actually touched on is the word
5 "intercepting." But that seems to be actually at issue here
6 is the construction of the term "intercepting."

7 MR. BORDER: Yes, Your Honor. And I
8 notice in the Institution Decision, the Board did not
9 believe that construction was necessary. However, in that
10 previous decision, the Board did arrive at a construction.
11 If you can go to slide --

12 JUDGE BISK: That's the 237?

13 MR. BORDER: This is the 237 case, Your
14 Honor. And in that proceeding what the Board determined
15 was that receiving an interception meant receiving a
16 request pertaining to a first entity at another entity. And
17 so if you can go to slide 4.

18 JUDGE BISK: And what does "pertaining to"
19 mean?

20 MR. BORDER: Well --

21 JUDGE BISK: I think in this case that's where
22 the argument is. It's a little deeper.

23 MR. BORDER: Well, I think we agree with I
24 think some of the basic tenets of this construction. I think

1 Patent Owner also includes this concept of performing an
2 additional step after that interception.

3 JUDGE BISK: Right.

4 MR. BORDER: But I note -- let's go to slide
5 33. And this is the only example in the patent that
6 discusses this concept of intercepting a request. And
7 there's two things to take away from this passage. And
8 it's, first, all requests from the client are sent to one
9 device, DNS proxy 2610.

10 And, second, there is no indication that this
11 interception has any special meaning. So in the disclosed
12 embodiment, a single -- the request pertains to, for
13 example, the destination, the terminating device in Beser.
14 However, it is received or intercepted, in the language of
15 the claims, by another device.

16 And that is the concept that I believe the
17 Board was trying to capture with that construction. And I
18 should note -- if you can go to slide 34, at his deposition I
19 asked Patent Owner's expert what his understanding of the
20 term "intercepting" was. And he explained to us that he
21 had no opinion of what the term requires.

22 So we agree with the Board's previous
23 construction, receiving a request pertaining to a first
24 entity and another entity. And applies -- and as applied to
25 Beser, if we can go to slide 35, again the Patent Owner

1 has given the Board no reason to depart from this previous
2 determination where it found an interception both at
3 device 14 and device 30.

4 JUDGE EASTHOM: Did the Patent Owner
5 challenge that claim construction in their brief in the
6 Federal Circuit for the 237 case, do you know, or --

7 MR. BORDER: Your Honor, I think you've --
8 I think you have asked me a question that I just don't have
9 at my command right now.

10 JUDGE EASTHOM: That's all right. I'm just
11 curious.

12 MR. BORDER: I apologize, Your Honor. I
13 don't believe this was at issue in the Federal Circuit, but I
14 don't --

15 JUDGE EASTHOM: Well, whatever.

16 MR. BORDER: Okay. I believe they have
17 challenged it to the extent that it requires some additional
18 evaluation steps.

19 JUDGE EASTHOM: Okay.

20 MR. BORDER: But I honestly don't have that
21 fresh, Your Honor.

22 JUDGE EASTHOM: That's okay.

23 MR. BORDER: Sorry.

1 JUDGE ANDERSON: So I want to ask you
2 about encryption. Beser doesn't really teach encryption;
3 isn't that right?

4 MR. BORDER: Your Honor, what it explains
5 is that encryption alone is not a satisfactory way to secure
6 a communication. So it teaches a complementary method
7 for hiding the ends of those -- that encrypted channel so
8 that hackers, for example, cannot find out who's doing the
9 communication.

10 JUDGE ANDERSON: So it doesn't teach
11 encryption?

12 MR. BORDER: It doesn't teach -- well, it
13 does say that encryption is typically used. It does
14 recognize that there are some certain circumstances, such
15 as high media, high bandwidth media applications where
16 encryption might not be used, but it does state that
17 typically encryption is used in communicating packets in
18 its system.

19 And that description is -- if you can go to
20 slide 6. And here it's discussing some of the benefits of
21 encryption and some of the drawbacks. It says the sender
22 may encrypt the information inside its IP packets before
23 transmission with this IP sect protocol. That's the RFC
24 2401 we've been discussing.

1 What Beser states is that it's simply a
2 complement, an additional element of security that can be
3 added to what is otherwise an encrypted communication.

4 Why don't we go to slide 36. The final issue
5 of contention relates to the '009 patent only. Let's go to
6 slide 37. The claim specifies receiving certain
7 information, including an indication that the second
8 network device is available for the secure communications
9 service and the requested network address of the second
10 network device.

11 Now if we can go to slide 38, please. Patent
12 Owner asserts that Petitioner is essentially
13 double-counting, because we are pointing at the private IP
14 address of the terminating end device to satisfy both claim
15 elements. That's not true.

16 If we can go to the next slide, please, slide 39.
17 In the petition at page 41, what we explained was the
18 indication is met by the receipt of both the private IP
19 address of the originating device and the receipt of the
20 private IP address of the terminating device. It is the
21 receipt of both of these private IP addresses that serves as
22 the indication of the claims.

23 Let's go to slide 40. I have used --

24 JUDGE BISK: You are about at 25 minutes
25 just now.

1 MR. BORDER: Thank you, Your Honor. I'm
2 going to fast forward through the next steps. I'm going
3 the shift gears to the '811 proceeding, which deals with
4 Aventail. I'm going to focus on one issue. And then I'm
5 going to get to my conclusion.

6 Let's go to slide 41. Quick overview of the
7 architecture of Aventail. This is at Aventail, page 72. It
8 describes a way of establishing a BPN between mobile
9 users and private users on a network, together with an
10 Aventail client, which is called Aventail Connect. It's
11 software running on mobile users, and the Aventail BPN
12 server, which is also called the Aventail Extranet Server.

13 And what Aventail 10 explains to us is that at
14 a high level, what happens is that Aventail Connect, the
15 software on the mobile user, receives a connection
16 request, and then it determines whether or not it needs to
17 be redirected and encrypted.

18 Let's go to slide 45. Now I have highlighted
19 here both the first and second step of Claim 1 of the '705
20 patent. I've highlighted it because the request that is
21 discussed in Claim 1, or the first element of Claim 1, is
22 relevant to the request that the determination is made on
23 in the second step of the claim.

1 We explain in our petition that Aventail
2 Connect, the Aventail Connect client -- let's go to slide
3 42, please.

4 We explain in our petition that when a user
5 issues a connection request in a web browser, for example,
6 that matches a secure destination on the private network,
7 the application does a DNS look-up to convert the host
8 name to an IP address.

9 Aventail Connect will intercept that, evaluate
10 it against a redirection rule, and then return this false
11 DNS entry called the HOSTENT. These are the first --
12 this is the first step of Aventail. It's the step that we
13 relied on to show that Aventail satisfies the first and
14 second steps of Claim 1 in the '705.

15 If you go to slide 43, Patent Owner's response
16 is a red-herring. They point you to what happens after
17 Aventail Connect has intercepted the request and after it
18 has made the determination. They are pointing to these
19 sequence of steps in Aventail that are not relevant, and a
20 sequence of steps that Petitioner did not argue satisfies
21 the determination step.

22 Really quickly, let's --

23 JUDGE EASTHOM: So, in other words, you
24 are saying if it matches a redirect rule, or it has a
25 HOSTENT, if it's not passed through Aventail Connect, in

1 other words, in a normal fashion, then that is a
2 determination that it's for a secure -- it's a look-up, and
3 it's also a determination?

4 MR. BORDER: Yes, Your Honor. If you can
5 go to slide 66. If it does intercept the request, Your
6 Honor, and determines that it matches a redirection rule,
7 in the configuration we discussed in the patent, that is a
8 determination that encryption is required.

9 JUDGE EASTHOM: There was two things in
10 there, right? There was a redirection rule and also this
11 proxy enable thing. Are those -- can you briefly explain?
12 It seems like there's two or three things going on, and I
13 wasn't --

14 MR. BORDER: There is, Your Honor. Let's
15 go to slide 42. It's just a different way of arriving at the
16 same result, Your Honor.

17 What the second step here is you can create
18 essentially a table of redirection rules. And if a domain
19 name matches one of those rules, it knows that it needs to
20 be proxied.

21 And the DNS proxy option doesn't need a
22 table. Everything gets proxied. But the results are the
23 same. A fake HOSTENT is delivered to the application.
24 And then all the steps after that are largely the same.

1 JUDGE EASTHOM: So you are saying when
2 it goes to the proxy, whether it's through the redirect or
3 not, it's determining that it's for a secure connection?

4 MR. BORDER: Well, what we are arguing is
5 that when it -- the second step, when it does match a
6 redirection rule, that is also a determination that it
7 requires encryption. And that's --

8 JUDGE EASTHOM: But it might not have to
9 do a redirection rule, right? It could just be the proxy is
10 on -- I thought was one of the options in Aventail.

11 MR. BORDER: That is an option, Your
12 Honor.

13 But the option that we pointed to was this
14 match of the redirection rule in Aventail.

15 JUDGE EASTHOM: So you are saying even if
16 it does two of those things, as long as it does one of them
17 every now and then, then that satisfies the claim?

18 MR. BORDER: Well, that's right, Your
19 Honor. I mean, there are multiple configurations described
20 in Aventail. And certainly every single configuration
21 does not need to cover the claims in order to find these
22 claims are obvious in view of Aventail and RFC 2401.

23 And the configuration that we discuss and we
24 rely on we believe shows that these first and second steps,

1 the interception, the determining steps are met by this
2 first step of Aventail.

3 Really quick, let me sit down with this.
4 Briefly, the Patent Owner challenges whether the Aventail
5 reference and the RFC references that we relied on were
6 publicly available. We provided, in the form of evidence,
7 three sworn declarations from witnesses with personal
8 knowledge of Aventail's availability.

9 With those declarations, we provided
10 documentary evidence, including newspaper articles and
11 magazine articles that corroborates that this Aventail
12 reference was publicly available well before February
13 2000, the effective date of the '705 and '009 patent.

14 We also provided, with respect to the RFC
15 documents, a declaration from an IETF corporate
16 representative who swore about the practices of the IETF
17 in making RFC documents available. We also have
18 unrebutted testimony of Dr. Tamassia who testified about
19 the RFC documents and the process that makes those
20 documents available.

21 We think the evidence confirms that both the
22 RFC documents and the Aventail references were publicly
23 available well before the February 2000 date of the
24 patents.

1 And unless there are any questions, I would
2 like to reserve the remainder of my time for rebuttal.

3 JUDGE BISK: Okay. Thank you.

4 MR. BORDER: Thank you, Your Honor.

5 JUDGE EASTHOM: I have one quick
6 question.

7 You know, in the Aventail system it seems
8 that the encryption socket is a separate device that can be
9 chosen. How does that relate to the determining step if
10 every single device can be encrypted whether or not it's
11 through the secured proxy or not?

12 MR. BORDER: Well, it certainly is an option.
13 And the configuration we showed, which was -- it's in
14 Aventail at page 73. It describes in one configuration any
15 user that requests a resource on a private network, every
16 user has to get authenticated. And every user has to
17 encrypt their sessions with SSL. This is Aventail page 73,
18 this bottom configuration. So in that event --

19 JUDGE EASTHOM: That's slide 73?

20 MR. BORDER: I'm sorry, Your Honor. This
21 is slide 66. But in the Aventail reference, it's on page 73.
22 And this is the configuration where any request for a
23 connection to an internal private network requires both
24 authentication and encryption of all users and all sessions.
25 Thank you, Your Honor.

1 PRESENTATION OF PATENT OWNER

2 MR. ZEILBERGER: May it please the Board,
3 my name is Daniel Zeilberger. I'm here today on behalf --

4 JUDGE BISK: I think you might need to
5 speak closer to the microphone.

6 MR. ZEILBERGER: Sorry. May it please the
7 Board, my name is Daniel Zeilberger. I'm here today on
8 behalf of Patent Owner.

9 For purposes of today, I will be addressing
10 issues relating to IPRs 2015-00810 and 00812. And my
11 colleague, Mr. Bansal, will be addressing issues relating
12 to the IPR2015-00811.

13 So turning to slide 2, we've just provided a
14 brief overview of the instituted grounds that are pending
15 in these proceedings. As Your Honors know, Beser is the
16 primary reference at issue in the '810 and '812 matters.
17 And Aventail is the primary reference at issue at in the
18 '811 matter.

19 JUDGE EASTHOM: Can I ask you a question
20 about the intercept step? It seems in your briefs you are
21 urging a different construction. You are saying that it
22 doesn't ordinarily go to the proxy. It ordinarily goes to --
23 you have some definition, I'm sorry, I'm probably --
24 maybe you can help me out.

1 JUDGE BISK: I think there's an intent, kind
2 of.

3 MR. ZEILBERGER: Are you talking about the
4 intercepting arguments on behalf of the Beser reference?

5 JUDGE EASTHOM: Yes. Yes.

6 MR. ZEILBERGER: Yes. So I was about to
7 get there. And I can jump over there now.

8 JUDGE EASTHOM: You said the packets in
9 Beser are all intended to go to the trusted third-party
10 device. So that doesn't read on the intercepting, your
11 intercepting construction. And my question is it seems
12 like all of the packets in your proxy all are intended to go
13 to that proxy as disclosed in your patents.

14 Let me just ask you a quick question. How do
15 your requests get to the proxy? Do they have an address
16 in the packets going to the proxy in your patents?

17 MR. ZEILBERGER: So I believe that's
18 discussed in column 40 of the '705 patent.

19 JUDGE EASTHOM: Correct.

20 MR. ZEILBERGER: And what will happen in
21 that portion of our specification is that the DNS proxy
22 essentially intercepts all packets that are intended to go to
23 --

24 JUDGE BISK: But how does it intercept?

1 JUDGE EASTHOM: Right. Thank you. How
2 does it? Thank you. Yes.

3 JUDGE BISK: Does it just, surprise, jump out
4 and get there? I mean, there's got to be programming
5 somewhere.

6 MR. ZEILBERGER: Right. So the system
7 would be configured such that the packets would be forced
8 to travel through the DNS proxy.

9 JUDGE BISK: Right. Yeah.

10 JUDGE EASTHOM: So travel through the air,
11 right, and then what happens? How does the DNS proxy
12 intercept them?

13 If they are not addressed, I mean, it's almost a
14 rhetorical question. The packets have to be addressed to
15 the proxy, I guess is what I'm asking you to confirm or
16 not.

17 MR. ZEILBERGER: If I may confer with my
18 co-counsel?

19 JUDGE EASTHOM: Sure.

20 MR. ZEILBERGER: Thank you. Your Honor,
21 I believe the patent doesn't specify how the interception
22 occurs.

23 JUDGE EASTHOM: Okay.

24 MR. ZEILBERGER: But as to the arguments
25 we raised for the intercepting feature, so if you go to slide

1 7, this is actually an excerpt from Apple's petition in the
2 broadest reasonable interpretation that they argued for.
3 And they argued that intercepting a request includes
4 receiving a request pertaining to a first entity at another
5 entity.

6 And that construction we thought sort of begs
7 the question of what "pertaining to" means. So going to
8 slide 8, we actually asked Apple's expert what he thought
9 Apple's construction meant. And he explained that his
10 understanding of the broadest reasonable interpretation of
11 the intercepting feature covered two scenarios.

12 In one scenario, it would cover this intended
13 for requirement where a request is intended for receipt at
14 a destination other than the destination at which the
15 request is intercepted. And, second, a request is
16 ordinarily received by another entity and is instead
17 received at the first entity.

18 JUDGE BISK: Maybe that can be said another
19 way, in that the request is for a second network device,
20 but it is received by something other than that second
21 network device?

22 MR. ZEILBERGER: Your Honor, I think there
23 would be some differences from what Dr. Tamassia said to
24 what Your Honor just said, but they are similar.

25 JUDGE BISK: Okay.

1 MR. ZEILBERGER: Now, turning to slide 9,
2 we've excerpted a portion of Apple's reply. And there's a
3 few things that I want to cover here and address.

4 Number 1 is this first sentence that they
5 provided where Petitioner says that Patent Owner asserts
6 Dr. Tamassia, quote, clarified his construction of, quote,
7 interception to mean, quote, receiving a request. And then
8 "pertaining to" is crossed out. And then underlined is
9 intended for or ordinarily received by, and it continues, a
10 first entity at another entity.

11 And one thing I think the Board should just be
12 clear on is while they are citing to the response in Dr.
13 Tamassia's declaration, those quotes are actually not from
14 either document. What they appear to be is a
15 characterization of Patent Owner's response, but an
16 inaccurate one at that, because we're not arguing as
17 Petitioner seems to be suggesting in the second sentence
18 that Dr. --

19 JUDGE BISK: That just brings up a question
20 in my mind, which I had this entire time. I don't
21 understand at all your proposed construction for
22 "intercepting," because it doesn't seem to have anything --
23 you seem to read the word "intercepting" right out of
24 there. And I don't see how your construction relates to
25 the word intercepting at all.

1 MR. ZEILBERGER: Your Honor, I would
2 respectfully disagree.

3 JUDGE BISK: Okay. Explain to me then
4 where "intercepting" is in your claim construction, your
5 proposed claim construction.

6 So in your view, either there's no
7 construction, which clearly is a problem, because we are
8 having a dispute over what "intercepting" and "pertaining
9 to" means. So no construction doesn't really seem to be a
10 good conclusion here.

11 So, alternatively, you have receiving a request
12 to look up the IP address, and apart from resolving it into
13 an address, performing an evaluation on it to establish an
14 encrypted communication link.

15 What in the world does that have to do with
16 intercepting it?

17 MR. ZEILBERGER: So we believe that's
18 consistent with what happens in the specification when it
19 discusses interception.

20 JUDGE BISK: Okay.

21 MR. ZEILBERGER: If you turn to column 40
22 of the specification, it talks about all these things that are
23 in our construction. And I will also note that the
24 arguments that we raised in our Patent Owner response,
25 aside from the portion of --

1 JUDGE EASTHOM: In column 40 it talks
2 about being able to determine whether there's an
3 encryption?

4 MR. ZEILBERGER: Sorry. Did you say 40 or
5 48?

6 JUDGE EASTHOM: I'm sorry. Which column
7 did you say?

8 MR. ZEILBERGER: I said four-zero.

9 JUDGE EASTHOM: I said four-zero also, 40.
10 Where in column 40 does it say that it's determining
11 whether there's encryption? I guess we are talking about
12 which --

13 MR. ZEILBERGER: So I believe that the
14 portion of our construction for intercepting refers to
15 performing an evaluation on the request to establishing an
16 encrypted communications channel.

17 JUDGE EASTHOM: Oh, okay. That's column
18 40, line --

19 JUDGE BISK: But that has nothing to do with
20 the meaning of the word intercepting. So does
21 intercepting have a different meaning in the art?

22 MR. ZEILBERGER: So our position is that in
23 our patent, in the context of the specification, whenever
24 interception occurs, this evaluation on the request will
25 always happen.

1 JUDGE BISK: Okay. I can see that, but it
2 seems to me that part of your claim construction is
3 missing. Where -- what is the intercepting part of it?

4 MR. ZEILBERGER: Your Honor, I would
5 submit that the entire phrase is the intercepting of the
6 request.

7 JUDGE BISK: Okay.

8 MR. ZEILBERGER: I would also note,
9 though, that the arguments in our Patent Owner response
10 actually respond to Apple's construction, in their petition,
11 that they --

12 JUDGE BISK: So let me ask a question. If
13 we did go with your alternate proposed construction,
14 wouldn't Beser -- Beser does that, right?

15 MR. ZEILBERGER: No, Your Honor. It does
16 not perform the encryption element.

17 JUDGE BISK: Oh, the encryption. That's the
18 RFC portion of it, right?

19 MR. ZEILBERGER: Well our argument, Your
20 Honor, is that it would not have been obvious to combine
21 Beser with the RFC document.

22 JUDGE BISK: Okay. Now do you have a
23 different argument here than was in the 237 case or is it
24 the same? Is there any differences between this case and
25 that case?

1 MR. ZEILBERGER: Yes, Your Honor. There
2 are.

3 JUDGE BISK: Okay. What are they?

4 MR. ZEILBERGER: For the intercepting
5 limitation --

6 JUDGE BISK: No. What about -- I'm talking
7 about for the combination of RFC 2401 and Beser.

8 MR. ZEILBERGER: Your Honor, I would
9 submit that we respectfully disagree with the decision in
10 the 237 matter. And it's currently up on appeal to the
11 Federal Circuit.

12 JUDGE BISK: I understand that. Can you tell
13 me what's going on with that case? It looks like there's a
14 motion to stay something at the Federal Circuit. It looks
15 like it's fully briefed and ready to argue but -- go ahead.

16 MR. MODI: I can address that, Your Honor.

17 JUDGE BISK: Talk to the microphone.

18 MR. MODI: Sure. So the case has been --
19 that particular appeal has been fully briefed, but as Your
20 Honor knows, there are other appeals involving other
21 patents that are currently being briefed. And the Federal
22 Circuit --

23 JUDGE BISK: So you are trying to do them
24 all together?

1 MR. MODI: Well, the Federal Circuit
2 consolidated them for oral argument purposes. So once
3 all the other briefs are fully briefed, all the other cases,
4 then the cases will be set up for oral argument. And we
5 expect that to happen sometime this fall.

6 JUDGE BISK: Okay. What are the other
7 cases that are being briefed?

8 MR. MODI: So, Your Honor, the IPR
9 numbers, off the top of my head, I'll try my best. It's 403,
10 404, 481, 482.

11 JUDGE BISK: Okay.

12 MR. MODI: And there's an inter partes
13 re-examination that is --

14 JUDGE BISK: Yeah. I think I know that one.

15 MR. MODI: -- 95001,949. So I believe I got
16 them all, but if I missed any, I'll pass a note.

17 JUDGE BISK: Thank you. So there might not
18 be any differences, but so it's the same argument, but you
19 would like a different outcome basically, in this case, for
20 the combination argument.

21 MR. ZEILBERGER: For the argument relating
22 to encryption. Yes, Your Honor.

23 JUDGE BISK: Okay.

24 JUDGE EASTHOM: I'm sorry. You gave me
25 the cite, and I think I missed it, but you said in column 40

1 somewhere you talk about encrypting -- I'm on the '705
2 patent. You talk about determining -- you said the
3 intercept step would determine whether something's
4 encrypted. There's an encrypted channel, I thought you
5 said.

6 I don't know if you were reading from this
7 column or you were reading from your definition. I'm just
8 looking for where that might be in column 40, or wherever
9 it is. Doesn't have to be column 40.

10 JUDGE BISK: You are looking for the
11 definition of intercepting?

12 JUDGE EASTHOM: Yes. About whether it's
13 -- whether there is intercepting, and then determining if
14 something is encrypted, I think is what --

15 JUDGE BISK: Okay.

16 JUDGE EASTHOM: -- you said is part of
17 your definition.

18 MR. ZEILBERGER: Your Honors, I think I
19 said part of our definition for the intercepting is an
20 evaluation on the request related to establishing an
21 encrypted communications channel.

22 JUDGE EASTHOM: Okay.

23 MR. ZEILBERGER: And I believe --

1 JUDGE EASTHOM: If one of your colleagues
2 wants to do that later, that's fine. You can move on. I
3 don't want to hold up.

4 MR. ZEILBERGER: Thank you. So turning to
5 slide 10, we've excerpted another portion of Apple's
6 petition. And this shows what Apple's mapping from
7 Beser to the intercepting feature.

8 And they allege that even though the request
9 contains a unique identifier associated with the
10 terminating end device, their request is actually
11 intercepted by each of the first network device and the
12 trusted third-party network device because they each
13 receive a request pertaining to a first entity at another
14 entity.

15 And in our opinion, there's a few issues with
16 this. For one, Apple's petition did not address the
17 construction as their own expert understood it to Beser.
18 And, further, Beser would not be consistent with the
19 construction that Petitioners advocated for, as we can see
20 in the next few slides.

21 So Apple essentially pointed to, as they said
22 earlier, two alleged interceptions, and highlighted the first
23 alleged interception where you have a tunneling request
24 that's sent from the originating end device 24, to the first
25 network device 14. But Apple does not even appear to

1 contend otherwise that this is not intended for and
2 ordinarily received by the first network device 14.

3 So it cannot satisfy the construction --

4 JUDGE EASTHOM: But how does that differ
5 from your disclosure? Aren't your packets sent to your
6 proxy? They are intended for your proxy.

7 MR. ZEILBERGER: So, in Beser --

8 JUDGE EASTHOM: No, in your disclosure.
9 In your disclosure. In your disclosure, your patents, all
10 the packets are intended for the proxy. You said you
11 didn't -- it didn't say whether or not that happened in
12 column 40, but I don't see how they get there if they are
13 not intended for it.

14 MR. ZEILBERGER: So in our patent, when
15 requests are sent, they are received by the proxy. But the
16 proxy will perform an evaluation on it.

17 JUDGE EASTHOM: But are you saying they
18 are not intended for the proxy? Because that's what you
19 are making your distinction on now.

20 MR. ZEILBERGER: So our construction does
21 not have this intended for or ordinarily received by
22 element. That's Petitioner's construction.

23 JUDGE EASTHOM: Okay. So if we agree
24 with Petitioner, then you are not arguing that yours
25 doesn't have that intended for it. You are saying your

1 proxy does do the same thing as Beser that's intended to
2 receive these packets?

3 MR. ZEILBERGER: No, Your Honor. We are
4 not saying that our patent does the same thing as Beser.

5 JUDGE EASTHOM: I didn't mean that,
6 totally.

7 I am just saying your proxy has packets
8 intended for it, just like Beser's device 14 and 30. So I
9 don't think that would be a distinction if we go with
10 Petitioner's intended-for language.

11 I'm trying to ask you if there is a distinction
12 for you in your -- in other words, it seems like your proxy
13 has these patents that are intended for them. Also, how do
14 they get there?

15 MR. ZEILBERGER: So they are received by
16 the proxy. But when -- so there's two scenarios that are
17 covered, two possibilities that will happen. If the request
18 is a nonsecured domain name, then the request would be
19 essentially forwarded on to the DNS, and it would be
20 resolved. When it's --

21 JUDGE EASTHOM: Goes through the proxy
22 though, right?

23 MR. ZEILBERGER: Right.

24 JUDGE EASTHOM: Passes through. Okay.

1 MR. ZEILBERGER: That's correct, Your
2 Honor.

3 JUDGE BISK: Can we move on to the next
4 part because this is intended for -- or it's not on the same
5 wavelength as you are on this one.

6 MR. ZEILBERGER: Sorry?

7 JUDGE BISK: Can we move on to the next
8 part, the interception? The intended for is not -- I'm not
9 with you on this one. I'm interested in the next -- the next
10 part.

11 MR. ZEILBERGER: Slide 12?

12 JUDGE BISK: Yes.

13 MR. ZEILBERGER: Yes, Your Honor. So in
14 slide 12 we've highlighted the informed message that gets
15 sent from the first network device 14 to the trusted
16 third-party network device 30. And this does appear to be
17 a point of -- there appears to be a point of disagreement
18 between Patent Owner and Petitioner about what's really
19 going on here.

20 In Patent Owner's view, what's happening is
21 that essentially a new message is being generated from the
22 first network device 14, to the trusted third-party network
23 device 30. And it's not the tunneling request that was sent
24 by the end device that's forwarded on to the trusted

1 third-party network device. And we think that that view
2 is supported by the next slide, slide 13, where it --

3 JUDGE BISK: So can I ask you, I guess I
4 don't understand that argument very well. Are you saying
5 that the problem is that the wrong entity is making the
6 DNS request?

7 So it's not the originating 24 that's making the
8 DNS request. It's 14 that's making the DNS request. And
9 that's what's the problem, is the claim requires 14 -- 24 to
10 make the DNS request?

11 MR. ZEILBERGER: So we've only analyzed
12 the mapping that Petitioner has provided, which was they
13 have looked at the end device as they have submitted
14 earlier today, and they allege that the tunneling request
15 sent by the end device is the DNS request.

16 JUDGE BISK: Okay. And you are saying
17 that's not a DNS request, but then you are talking about
18 this new informed message.

19 MR. ZEILBERGER: Right. So in Petitioner's
20 view, that informed message is the tunneling request. And
21 in our view, it's not. It's a new packet that's sent off from
22 the first network device to the trusted third-party network
23 device 30.

24 And if you look in slide 13, we think that
25 supports that view. It's an excerpt from Beser.

1 JUDGE BISK: Why does that matter if it's a
2 different message than that? Because it's being made from
3 a different device? Why does this matter?

4 MR. ZEILBERGER: So Petitioner argued that
5 the tunneling request is intended for first network device
6 14, but it's instead received by the trusted third-party
7 network device 30.

8 JUDGE BISK: No. No. I thought they were
9 saying that it's intended for the second network device,
10 right? And it's --

11 MR. ZEILBERGER: No, Your Honor.

12 Judge EASTHOM: It's intended for the end
13 device 26, they are trying to figure out.

14 JUDGE BISK: Yeah. And it's intercepted by
15 both 14 and the third party.

16 MR. ZEILBERGER: Your Honor, so I believe
17 Petitioner made a few arguments. One of the arguments
18 they made, which would be inconsistent with the
19 construction as explained by Dr. Tamassia was because
20 the packet happens to contain the unique identifier of end
21 device 26, it's intercepted by these devices, because under
22 a broad view of what the words "pertaining to" mean, they
23 would allege that that is an interception.

24 JUDGE BISK: Okay. Yeah. Next argument
25 on that. Go on.

1 MR. ZEILBERGER: Your Honor, so then they
2 also allege that under the intended for understanding of
3 their construction, that each of the first network device 14
4 and the trusted third-party network device 30 perform an
5 interception because with respect to device 30 -- sorry,
6 only with respect to device 30.

7 And with respect to device 30, they allege that
8 that's an interception because it's intended for a first
9 network device 14, but it is somehow received by device
10 30.

11 JUDGE BISK: Okay. So this is like a
12 separate -- a totally separate argument. So if I didn't
13 agree with your first argument, doesn't matter if I agree
14 with this one.

15 MR. ZEILBERGER: Your Honor, we would
16 submit that it does matter, because this is -- Petitioner's
17 construction requires this intended for or ordinarily
18 received by requirement, because that's the construction
19 that their own expert applied.

20 JUDGE BISK: Right. And I'm saying if I
21 don't agree with this intended for, but maybe I'm moving
22 into a different -- a different limitation than it's sending
23 the DNS request is where I'm going. I think you had an
24 argument that Beser never actually sends a DNS request?

1 MR. ZEILBERGER: Your Honors, I believe
2 you may be referring to the '812 proceeding.

3 JUDGE BISK: Okay. Yes. The '009 patent.

4 MR. ZEILBERGER: Yes. If you go to slide
5 19, we've highlighted the DNS request that I believe you
6 are referring to.

7 JUDGE BISK: Okay. Yeah.

8 MR. ZEILBERGER: And the issue here that
9 we argued, if we turn to slide 20, we ask Dr. Tamassia,
10 Apple's expert again, what the DNS request in his analysis
11 meant. And he explained that in the '009 patent, about
12 Claim 1 of the '009, the request in question is a request
13 that follows the DNS protocol for such requests. That is
14 my understanding of the meaning of the domain name
15 service request.

16 And our argument is that Apple did not show
17 that Beser teaches or requests that follows the DNS
18 protocol, and it couldn't have because Beser doesn't.

19 And Apple's reply, turning to slide 21, they
20 argued that a person of ordinary skill would have
21 understood.

22 JUDGE BISK: So -- but that confuses me a
23 little, I guess, because the domain -- DNS request you
24 appear to agree with Petitioner's claim construction that
25 didn't -- and it doesn't say anything about requiring DNS

1 protocol. Is that somehow inherent in there or how did
2 this DNS protocol get in -- suddenly get in the claim?

3 MR. ZEILBERGER: Well, when we asked
4 Apple's expert about the understanding, so we have
5 someone that they are holding out to be an expert in the
6 field, he explained that it does require this DNS protocol
7 aspect.

8 JUDGE BISK: Okay. So are you saying that
9 DNS requests, when we construe that, I mean, the claim
10 doesn't say DNS protocol anywhere.

11 MR. ZEILBERGER: It does not explicitly
12 refer to that.

13 JUDGE BISK: So somehow that has to get
14 into the claim, you are saying. How does it get into the
15 claim?

16 MR. ZEILBERGER: So our position is that to
17 the extent we intend to rely on Dr. Tamassia's testimony,
18 we believe you also need to rely on this testimony he's
19 provided here showing that one of ordinary skill would
20 have understood that when the claim refers to a DNS
21 request, it's referring to a DNS protocol, or a request that
22 satisfies the DNS protocol.

23 JUDGE BISK: And so DNS request, we need
24 to construe it to include a DNS protocol? MR.

25 ZEILBERGER: Sorry, Your Honor?

1 JUDGE BISK: We need to construe the term
2 DNS request to include a DNS protocol. I'm just
3 wondering how we get this into the claim.

4 MR. ZEILBERGER: Yes, Your Honor.

5 JUDGE BISK: Okay. So it's a little confusing
6 to me because in your briefs, in the claim construction
7 section, in DNS requests, I believe you have a whole
8 section on that; and that's not in there. It says Patent
9 Owner proposed construction, a request for a resource
10 corresponding to a domain name.

11 And then in the analysis is when you bring in
12 that it requires a DNS protocol.

13 MR. ZEILBERGER: That's right, Your Honor.

14 JUDGE BISK: Okay.

15 MR. ZEILBERGER: One moment, Your
16 Honor. Your Honor, turning to slide 21, Apple's position
17 is that a person of ordinary skill in the art would have
18 understood that when a request resulted domain name is
19 sent to a DNS server, that request follows the DNS
20 protocol.

21 And they cite to paragraph 306 of Dr.
22 Tamassia's declaration, and to column 1, lines 50 to 53 of
23 Beser. But starting with Beser first, that portion of Beser
24 is actually just talking about general DNS functionality.

1 And it's not a portion of Beser that's referring to actually
2 applying DNS, the DNS protocol to its system.

3 And then referring to paragraph 306 of Beser,
4 similarly he's only referring to generalized discussion of
5 DNS functionality and not any application of the DNS
6 protocol to the Beser system.

7 JUDGE ANDERSON: So, is it your argument
8 is that DNS protocol isn't shown in Beser; therefore,
9 Beser doesn't show the element that we are talking about?

10 MR. ZEILBERGER: Yes, Your Honor.

11 JUDGE BISK: Okay.

12 MR. ZEILBERGER: If there are no questions,
13 I'll turn it over to my colleague, Mr. Bansal, to discuss the
14 '811 proceeding.

15 MR. BANSAL: Good afternoon, Your Honors.

16 May it please the Board, my name is Chetan
17 Bansal. And I represent the Patent Owner in these
18 proceedings.

19 As Mr. Zeilberger indicated, I'll be handling
20 the '811 proceeding, which deals with Aventail. Your
21 Honors, to the extent I do not address any arguments that
22 may have been raised in the briefs or by Apple during this
23 oral argument, I rest on the briefs. So I will address only
24 a subset of the arguments.

1 If we can turn to slide 27. What we have done
2 is we have highlighted the determining feature here. And
3 on slide 28 is Apple's mapping from their petition as to
4 how Aventail discloses the determining feature.

5 Your Honor, if you look at the first sentence
6 which we have marked, Apple's position was there's a
7 domain name in a connection request which is matched
8 against a table of redirection rules.

9 And Apple's second position was that there is
10 a determination in Aventail whether the remote host will
11 accept an interpreted connection. And you can see right
12 next to that phrase, Apple actually quotes the claim
13 language, because that is their mapping as to how
14 Aventail discloses the feature.

15 But if you go and take a look at the redirection
16 rule table, which is on slide 31, there's absolutely nothing
17 in there which tells you whether the remote host will
18 accept an encrypted connection. All of the redirection
19 route tells you is, hey, do you need a proxy in order to get
20 to the destination.

21 And then Apple's first point, which was on
22 slide 29 -- actually, this is our response on slide 29. There
23 is no domain name in the connection request to begin
24 with. The connection request only has an IP address.

1 And, in fact, Apple's own expert, Dr. Tamassia, concedes
2 that.

3 JUDGE EASTHOM: But they were going on
4 the first step where you enter the domain name, and then
5 you either get a redirect or you get this HOSTENT
6 business. And it's pretty clear that you enter a domain
7 name. And then sometime later, yes, you get an IP
8 address, right?

9 I mean, I don't understand what your argument
10 is if later you get an IP address, so there wasn't ever a
11 DNS look-up.

12 MR. BANSAL: Your Honor, our argument
13 was not that there's not a DNS look-up. Our argument was
14 Apple's mapping. Apple's mapping was that there's a
15 domain name in the connection request. But even leaving
16 that issue aside, what they focused on was the redirection
17 rule table.

18 The redirection rule table -- and I'm going to
19 show you Apple's mapping again. Right there --

20 JUDGE EASTHOM: What's the slide again?
21 I'm sorry.

22 MR. BANSAL: Sorry. It's slide 28, Your
23 Honors. In the yellow portion Apple says, "Inclusion of
24 the remote host in the redirection rule table therefore

1 enables the Aventail Connect client to determine if the
2 remote host will accept an encrypted connection."

3 JUDGE EASTHOM: Okay. So that's a good
4 question now. I think Apple's, I mean, position was
5 earlier that we are going to turn on in this one
6 configuration, everybody's going to get encryption. Okay.

7 And then if I list this thing in this redirect
8 rule or whatever this table is, and that shows me that this
9 thing is ready for secure, then I have the two components.
10 I've just told you that this thing is ready for secure. It's
11 ready for encryption.

12 And, by the way, I think in your other case,
13 and I was going to ask you about this before, but I didn't
14 think you really needed encryption to go end-to-end when
15 you went -- when you were in the Federal Circuit arguing
16 the Cisco case. There was no end-to-end encryption on
17 the private part of the network.

18 MR. BANSAL: Your Honor, respectfully, this
19 is like a different claim language. So maybe I should go
20 back to the claim. And the claim says determining
21 whether the request to look up the IP address intercepted
22 in Step 1 corresponds to a device that accepts an
23 encrypted channel connection with the client device.

24 This is a different claim and different claim
25 language from what was in the Cisco case.

1 But to answer something else that Your Honor
2 asked was even if all communications were going to be
3 encrypted, which is one configuration that Apple
4 identified, you still have to focus on the redirection rule
5 table. What does that redirection rule table on slide 31
6 tell you?

7 It does not tell you anything whether the
8 remote host, which is the device which is behind the proxy
9 server, does that remote host accept an encrypted
10 connection. No.

11 JUDGE EASTHOM: But do you accept that it
12 does tell you that it's ready for secure connection?

13 MR. BANSAL: All of the remote --

14 JUDGE EASTHOM: Aside from encryption.
15 Aside from encryption.

16 MR. BANSAL: Your Honors, all of the
17 redirection rule table tells you is whether you need a
18 proxy or not.

19 JUDGE EASTHOM: Well, if you need a
20 proxy, doesn't that mean you are going to the secure
21 network behind the proxies?

22 MR. BANSAL: Your Honor, actually the
23 claim language, again I want to focus on the claim
24 language because I think I know where you are coming

1 from, and this is a different case. This is different claim
2 language. The claim says --

3 JUDGE EASTHOM: This is the '705 patent,
4 right? MR. BANSAL: Yes. The '705 patent.

5 JUDGE EASTHOM: Okay. I'm sorry. I'm
6 with you.

7 MR. BANSAL: So, again, Your Honor, like
8 the real focus here is Apple's own mapping. Apple's
9 mapping is there is a determination whether the remote
10 host end up -- sorry, Your Honors. I am on slide 28.

11 Apple's mapping is there is a determination
12 whether the remote host will accept an encrypted
13 connection. And right at the -- you know, at the
14 beginning of the --

15 JUDGE EASTHOM: Can I ask you a question?

16 MR. BANSAL: Yes. Absolutely, Your Honor.

17 JUDGE EASTHOM: Your device says
18 "corresponds to a device." It doesn't necessarily read
19 back to the target device. So that's a more general --
20 you're arguing that the claim requires that you show that
21 there's encryption -- that the target device is available for
22 encryption.

23 That might be in Claim 2, but in Claim 1 you
24 have a more generic. It says whether a device. It doesn't
25 refer back to the target device.

1 MR. BANSAL: Your Honor, as I've actually
2 put up on slide 28, that is Apple's own mapping. Yes,
3 claim --

4 JUDGE EASTHOM: Let's set aside Apple's
5 mapping. What's your contention is a device -- is that
6 supposed to be a target device?

7 MR. BANSAL: No, Your Honor. Claim 2
8 says a target device. But again, as I said, Apple's
9 mapping is this. And also there is no domain name in the
10 connection request as contended by Apple.

11 With that, I would like to move on to the
12 second feature that we have argued in our brief, which is
13 the provision information feature. If I can go to slide 37.

14 Just the claim language from slide 36 tells you
15 that for any information to meet the definition or, you
16 know, or to meet the provisioning information, two things
17 have to be true.

18 The provisioning information has to be
19 required to initiate the creation of the encrypted
20 communications channel. And, second, the encrypted --
21 sorry, the provisioning information has to be provided in
22 response to the determining feature.

23 On slide 38, Apple, you know, so this is our
24 response. But what we are saying here is in its petition,
25 Apple pointed to four things in Aventail that could

1 potentially be provisioning information. And in our
2 papers, we have highlighted exactly why each of those
3 four things cannot be provisioning information.

4 For instance, on slide 39, we showed you that
5 HOSTENT, which is something that Apple alleges is
6 provisioning information, is not required to create or
7 initiate the creation of the encrypted communications
8 channel, because you can have an encrypted
9 communications channel even without HOSTENT.

10 Now I would like to quickly move to Claim 2,
11 because this is something you -- the Board brought up.
12 Here on slide 43, there's a clear determination that the
13 target device is a device with which an encrypted
14 communications channel can be established.

15 JUDGE EASTHOM: Can you show me where
16 that claim is in the spec so that we can help interpret what
17 that means? Oh, that's the same claim question I asked
18 you I think before with respect to claim 40 -- column 40.

19 Where do you determine that the device has to
20 have encrypted communication?

21 MR. BANSAL: Your Honor, if I can turn to
22 column 40, lines 1 through 6 of the '705 patent
23 specification. Right there in those column, or in that
24 portion, the patent says that you determine whether your

1 DNS request is -- you know, corresponds to a secure
2 website.

3 And a secure website in the context of the '705
4 patent is a website that communicates via an encrypted
5 channel.

6 JUDGE EASTHOM: That's directly opposite
7 to the holding in Cisco.

8 MR. BANSAL: Sorry, Your Honor?

9 JUDGE EASTHOM: Cisco, the Federal
10 Circuit case, said that security was not the same thing as
11 encryption.

12 MR. BANSAL: Your Honor, I would have -- I
13 don't recall right as of this moment.

14 JUDGE EASTHOM: Well, I can read it. I
15 have it in front of me. Well, I don't want to slow you
16 down, but I've read it a couple times. Go ahead. I don't
17 want to -- it says one part they put as data security is
18 usually tackled using some form of data encryption.

19 There's some quote in there that says it was
20 clear that the two were different. But, anyway, it has to
21 do with the encryption being on the insecure part of the
22 internet, and then behind the firewall things are secure
23 without encryption. That was what I thought the thrust of
24 Cisco was.

1 MR. BANSAL: Your Honor, again, I
2 apologize. I don't remember.

3 JUDGE EASTHOM: Here, I'll read it. It's on
4 page 1323, 767 F.3d 1323, "but the patent consistently
5 differentiates between security and encryption. Both the
6 claims and the specification of the '151 patent make clear
7 that encryption is a narrower, more specific requirement
8 for the security, for example, the specification states that
9 encryption is just one possible way to address security,"
10 so on.

11 In fact, I think -- well, I won't belabor the
12 issue. But I'm trying to figure out, you know, how we
13 squared all this --

14 JUDGE BISK: I have a question. Is there a
15 difference between the specification of the patent that was
16 at issue in Cisco and the specification in the two patents
17 here?

18 MR. BANSAL: If I just may have a moment to
19 confer.

20 JUDGE BISK: Sure.

21 MR. BANSAL: I just want a moment to
22 confer.

23 I know the answer, but I want to confer.

24 JUDGE BISK: Okay.

1 MR. BANSAL: Your Honor, so to answer the
2 question, and this was the answer I knew, but I just
3 wanted to confirm, yes, it's the same specification.

4 JUDGE BISK: Okay. So we are getting to the
5 end of your time. And I had a couple quick questions
6 about your motion to exclude. I don't know who you want
7 to answer them.

8 MR. BANSAL: I'll be happy to answer them,
9 Your Honor, to the extent I can.

10 JUDGE BISK: Okay. So there's a motion to
11 exclude. I believe it's Exhibit 1060. And I can't --
12 Ganoza, Sandy Ganoza declaration. And I believe that the
13 only reason you have for excluding is inadmissible
14 hearsay; is that correct? I think there were several
15 objections, but the only language in that motion to
16 exclude was the hearsay objection.

17 MR. BANSAL: I think, Your Honor, the
18 primary objection is hearsay.

19 JUDGE BISK: Okay. So can you explain to
20 me how her declaration is hearsay?

21 MR. BANSAL: Sure, Your Honor. So it's
22 clearly an out-of-court statement.

23 JUDGE BISK: That's the part that I'm not
24 getting. Why is it out of court?

1 MR. BANSAL: Oh, because it is not for this
2 proceeding.

3 JUDGE BISK: But it's a sworn testimony. So
4 why does it matter if it was for this proceeding or not?

5 MR. BANSAL: Your Honor, it doesn't matter.
6 It's still an out-of-court statement because it was not
7 submitted, signed for purposes of this proceeding. In fact,
8 there are several Board cases on this issue.

9 JUDGE BISK: So does that mean that if --
10 that we need a separate signed declaration for each of
11 these three proceedings? And because there are so many
12 patents, that we have to have this poor declarant signing
13 hundreds of these declarations? Or is it just because it
14 was the ITC and not the Patent Office? Is that what you
15 are saying?

16 MR. BANSAL: No. I think, Your Honor, it
17 would not matter whether it's the ITC or the Patent Office.
18 It would be an out-of-court statement if it is not submitted
19 for purposes of this proceeding.

20 JUDGE BISK: And we have cases, Board
21 cases that say that?

22 MR. BANSAL: Well, we have Board cases
23 where we have I guess declarations that were outside.
24 And, you know, they were hearsay. But, Your Honor, at

1 least as far as I know, that's a classic definition of
2 hearsay.

3 JUDGE BISK: Right. But a classic definition
4 of hearsay is for courts where they hear live evidence,
5 right? Live testimony. And here we don't -- almost never
6 hear live testimony, so everything is out of court.

7 MR. BANSAL: I think, Your Honor, your
8 declarations which are submitted for purposes of a certain
9 proceeding are not considered out-of-court statements.
10 Just because you don't have oral testimony, those
11 declarations, so, for instance, Dr. Mandrose's declaration,
12 Dr. Tamassia's declaration, those are in court. That's
13 in-court testimony.

14 JUDGE BISK: So what's the difference in
15 reliability here between the one that was created for the
16 ITC and one that was created for a PTO proceeding?

17 MR. BANSAL: Your Honor, more so other
18 than reliability, I think the issue is, one, it is hearsay.
19 And, as you know, the Federal Rules of Evidence apply to
20 these.

21 JUDGE BISK: So the whole point of hearsay,
22 though, is to make sure that the evidence is reliable before
23 it gets to a jury. And here, to me, big point of hearsay is
24 that you don't get an opportunity to cross-examine an

1 out-of-court statement. But in this case you did get an
2 opportunity to cross-examine the witness, did you not?

3 MR. BANSAL: Your Honor, we do not get an
4 opportunity to cross-examine Miss Ganoza, for instance.

5 JUDGE BISK: Why not?

6 MR. BANSAL: Well, because it would be
7 outside of routine discovery.

8 JUDGE BISK: Why?

9 MR. BANSAL: Because she has not submitted
10 a declaration for purposes of this proceeding. In fact,
11 Your Honor, I just want to note something. Apple does
12 not dispute that those declarations are hearsay.

13 JUDGE BISK: Okay. So did you ask, though,
14 to depose her in this proceeding? Make any request to
15 Apple to depose Miss Ganoza?

16 MR. BANSAL: Your Honor, her deposition
17 would be outside of routine discovery. And to me it
18 seems like the burden has been shifted to Patent Owner,
19 when the burden is really Apple's to show that RFCs or
20 Aventail constitute --

21 JUDGE BISK: So what do we gain, what in
22 the grand scheme of things are we gaining by making Miss
23 Ganoza sign a new declaration for every single one of
24 these proceedings?

1 MR. BANSAL: I think you are asking like a
2 policy-based question, Your Honor.

3 JUDGE BISK: I am. I am, because this is a
4 big issue for these. I mean we have many, many, many of
5 those cases with the same piece of prior art. And, in fact,
6 some have gone on to final decision with this piece of
7 prior art.

8 MR. BANSAL: Your Honor, I'm certainly not
9 aware, you know, I mean, other than like the, you know,
10 other Virnetx v. Apple cases or the Apple v. Virnetx
11 cases. Yes.

12 JUDGE BISK: Right. I'm thinking of the
13 inter partes re-exam, and the 237 case, both had this --
14 had 2401.

15 MR. BANSAL: Your Honor, in inter partes
16 re-exams, you do not get a deposition. But you do get a
17 deposition in these proceedings, assuming the declarations
18 were submitted as part of this proceeding. And, again, I'm
19 not sure if I can really argue on a policy perspective, but
20 what I can say is that the Federal Rules of Evidence apply
21 to this proceeding. And if this is not hearsay, I am not
22 sure what is.

23 JUDGE BISK: And what do you say about the
24 residual exception? Why is it not an exception?

1 MR. BANSAL: Your Honor, as we have
2 briefed in our papers, I think sufficiently, why the
3 residual exception to hearsay should not apply here. That
4 is a truly narrow exception that is reserved for exceptional
5 cases. This is not one of those exceptional cases, as we
6 have explained in our papers.

7 JUDGE BISK: Okay.

8 JUDGE EASTHOM: Can I just ask you, Judge
9 Bisk asked you what the substantive difference was
10 between -- let's say they are both hearsay by definition, a
11 declaration here and a declaration in the ITC. They are
12 the exact same declaration. Why is one substantively
13 different?

14 You are just saying that it's just a rule, so we
15 have to follow the rule? Or is there some substantive
16 reason why we should treat those differently?

17 MR. BANSAL: So the way I would answer
18 this question, Your Honor, if there was a declaration that
19 was submitted in this proceeding, and then somebody tried
20 to use that in ITC proceeding, I think the same objection
21 would be made here, why could you not put this
22 declaration and present this witness in this proceeding.

23 JUDGE EASTHOM: Okay.

1 MR. BANSAL: And again, as I said, I don't
2 have a great policy argument for Your Honor except that
3 the Federal Rules of Evidence apply, and this is hearsay.

4 JUDGE EASTHOM: What were your hearsay
5 objections on the two magazine articles? I saw you said
6 hearsay, but I wasn't sure what the specific objection was.
7 Was that written in your objections? And maybe I just
8 should have read those, but you objected to the two
9 magazine articles that said these RFC documents, I think
10 --

11 JUDGE BISK: I think those are the 1064.

12 MR. BANSAL: 465. Yes. So, Your Honor,
13 again, there are certain statements in those exhibits that
14 Apple relied on for their truth to establish or, like, kind of
15 evidence which goes to show that the RFC is published
16 before a certain date.

17 Again, these are out-of-court statements which
18 are being relied as if they were true. And that's the reason
19 they constitute hearsay.

20 JUDGE EASTHOM: What about if they're
21 used as circumstantial evidence to show that skilled
22 artisans, i.e., the author and other people aware that these
23 documents existed? Would that be hearsay still?

24 MR. BANSAL: Your Honor, absolutely. They
25 would still be hearsay.

1 JUDGE EASTHOM: They say -- I think one
2 of the statements said RFC can be obtained on this certain
3 website. What if we don't use it for where it was
4 obtained. It's just RFC -- there is a document called RFC
5 that this author knew about. He knew about this
6 document. Therefore, it must be somewhere in existence.

7 MR. BANSAL: So, Your Honor, if you look at
8 it in that sense, and you are saying, well, I'm not looking
9 at it for its truth, but just as some evidence, then that
10 evidence is irrelevant. The only reason that evidence or
11 those statements in those articles become relevant is if
12 you assume or you are trying to show that they are true.

13 JUDGE EASTHOM: But if someone knew
14 about them, are you saying that we can't even use the fact
15 that someone wrote RFC 2401, we shouldn't be able to say
16 that they -- we can't infer that they knew about this
17 document's existence, RFC 2401, because it would
18 circumstantially show that it's more likely than not that
19 these things are out in the public domain, that this guy
20 knows about it?

21 JUDGE BISK: I have one more question. I'm
22 looking at the rules, and I don't see anything in routine
23 discovery that says that you can only get
24 cross-examination out of testimony that is created for this
25 proceeding.

1 Is that in the practice guide or where are you
2 getting that from? It just says cross-examination on the
3 app, the day that testimony is authorized.

4 MR. BANSAL: Your Honor, if my co-counsel
5 might address this.

6 JUDGE BISK: Sure.

7 MR. MODI: Your Honor, I don't have the case
8 in front of me, but I believe there is cases by the Board
9 which say --

10 JUDGE BISK: Are they just regular cases or
11 do we have any precedential case law?

12 MR. MODI: I do not believe they are
13 precedential, Your Honor, but there are cases that say
14 that. And we are happy to find them, and we can inform
15 the Board later, but that's --

16 JUDGE BISK: Thank you.

17 JUDGE EASTHOM: I think there was a
18 motion in one of our cases too that was similar. We felt
19 that it was a similar issue.

20 MR. MODI: I think we are going to have that
21 issue in two weeks, Your Honor, before you. So I think
22 Apple is on the other side of that issue, so we will
23 probably be arguing this. So hopefully we'll be able to
24 resolve this.

25 JUDGE EASTHOM: Okay.

1 JUDGE BISK: Okay. Thank you.

2 MR. BANSAL: Thank you, Your Honors, on
3 this. Correction, Your Honor. If I said that Apple had
4 four arguments about the determining step in the petition,
5 I -- you know, there are two arguments. So I just want to
6 make sure that I correct the record. Thank you.

7 JUDGE BISK: I think you have about ten
8 minutes.

9 MR. BORDER: Okay. Your Honor, before we
10 go into this, we are prepared to rest, unless you have any
11 questions.

12 JUDGE BISK: I do have a question. Do you
13 agree with the other side that the testimony of Miss
14 Ganoza is hearsay?

15 MR. BORDER: Well, Your Honor, I suppose
16 technically it is classic hearsay. But you bring up a great
17 point about the efficiency of bringing Miss Ganoza in to
18 be cross-examined in every single IPR proceeding in
19 which an RFC document is at issue. And there's certain to
20 be a lot, because RFCs are among the most authoritative
21 prior art references in the internet arts, the computer arts.

22 There is an efficiency aspect to it. And I
23 should note they did cross examine Miss Ganoza in the
24 ITC. Patent Owner cross-examined her on that

1 declaration. And so the issue was resolved in the ITC, so
2 what we have is --

3 JUDGE BISK: And that testimony was
4 accepted in the ITC case?

5 MR. BORDER: It was accepted in the ITC
6 case, and it's filed in this case as well, Your Honor.

7 JUDGE BISK: Right.

8 JUDGE EASTHOM: So they used the RFC
9 2401 document in the ITC as prior art?

10 MR. BORDER: Yes, Your Honor. And Miss
11 Ganoza submitted a declaration both as to that RFC
12 document and a number of other RFC documents, as a
13 corporate representative, explaining the process that
14 makes them publicly available. She was cross-examined.

15 So the issue as to whether or not that prior art
16 was publicly available was resolved in that proceeding.
17 And we think that's one of the perfect reasons why the
18 residual exception applies.

19 JUDGE EASTHOM: Can you address
20 counsel's argument about Claim 2 in the '705 patent,
21 where he's contending that just merely listing this thing in
22 one of these redirect tables doesn't tell you whether or not
23 it's encrypted, because that doesn't have anything to do
24 with the end-to-end encryption?

1 MR. BORDER: Right, Your Honor. I think
2 that analysis -- can you pull up slide 62, please.

3 I think that argument ignores what the Board
4 instituted on, which was RFC 2401 in combination
5 Aventail. And in that scenario, that combination would
6 show that the entire path from client computer to the
7 remote network device was encrypted, an end-to-end
8 encryption.

9 So in that circumstance, and if you can go to
10 --

11 JUDGE EASTHOM: But this is only because
12 you are contending that this is where everything that's
13 listed has got to be encrypted?

14 MR. BORDER: Yes, Your Honor. And this is
15 in Aventail, page 73.

16 JUDGE EASTHOM: Okay. I understand what
17 you are arguing.

18 MR. BORDER: Okay. Thank you, Your
19 Honor. Thank you. This is in slide 66. Are there any
20 other questions, Your Honor?

21 JUDGE BISK: Judge Anderson? No? Okay.
22 Thank you.

23 MR. BORDER: Thank you, Your Honor.

24 JUDGE BISK: Go ahead.

1 MR. PALYS: Not that we get a rebuttal, I just
2 -- this is Joe Palys, lead counsel. I just want to make sure
3 the record is clear with respect to that IT decision. That
4 case settled. There was no decision, as far as I understand
5 it. The court found what Your Honor has said. Okay.
6 Thank you.

7 JUDGE EASTHOM: Thank you.

8 JUDGE BISK: Okay. We are adjourned.
9 Thank you, everybody.

10 MR. BORDER: Thank you, Your Honor.

11 - - -

12 (Whereupon, at 3:07 p.m., the hearing in the
13 above-entitled matter concluded.)

14 - - -