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Transcript of Dr. Bill Lin

Date: July 7, 2026

Case: Google LLC -v- Headwater Research LLC (PTAB)

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WORLDWIDE COURT REPORTING & LITIGATION TECHNOLOGY

Headwater Research LLC
Ex. 2008, IPR2026-00050

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UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE PATENT TRIAL AND APPEAL BOARD

GOOGLE, LLC	)	
	)	
PETITIONER,	)	
	)	IPR2026-00050
VS.	)	PATENT NO.
	)	8,631,102
HEADWATER RESEARCH, LLC,	)	
	)	
PATENT OWNER.	)	
_____	)	

REMOTE VIDEOTAPED DEPOSITION
DR. BILL LIN
TUESDAY, JULY 7, 2026 (8:02 A.M. PST)
LOS ANGELES, CALIFORNIA

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REPORTED BY MICHAEL CAGLIATA
CSR #14491, RPR

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Videoconference Deposition of
DR. BILL LIN, held remotely:

Witness Location:
(NOT STATED ON THE RECORD.)

Pursuant to Notice, before Michael
Cagliata, Registered Professional Reporter, and
Certified Shorthand Reporter No. 14491 in and for the
State of California.

A P P E A R A N C E S

For the Petitioner:

FINNEGAN

BY: KATHLEEN GALLEHER, ESQ.

BY: PIER DEROO, ESQ.

BY: MICHAEL YOUNG, ESQ.

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RESTON, VIRGINIA 20190-6023

571-203-2448

For the Patent Owner:

RUSS, AUGUST & KABAT

BY: JAMES A. MILKEY, ESQ.

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LOS ANGELES, CALIFORNIA 90025

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1 P R O C E E D I N G S

2 * * * *

08:02:43

3 (Oath given.)

08:02:43

4 MR. MILKEY: This is James Milkey on behalf
5 of patent owner Headwater with the law firm of Russ
6 August and Kabat.

08:02:48

08:02:51

08:02:57

7 MS. GALLEHER: And this is Kathleen
8 Galleher on behalf of petitioner Google with the law
9 firm Finnegan, and I'm joined here with Pier DeRoo
10 and Michael Young.

08:02:57

08:02:59

08:03:03

08:03:07

11 EXAMINATION BY MR. MILKEY

08:03:11

12 Q. So good morning, Dr. Lin. Did you do
13 anything to prepare for today's deposition?

08:03:11

08:03:22

14 A. Yes. I reviewed my declaration and the
15 exhibits that I cited to in my declaration, and I met
16 with counsel a few times.

08:03:25

08:03:30

08:03:36

17 Q. Okay. Approximately how long did you spend
18 preparing for today's deposition?

08:03:39

08:03:43

19 A. I think I started really preparing maybe
20 since last Thursday. So I don't know exactly how
21 much time.

08:03:46

08:03:51

08:03:56

22 Q. Okay. Would you say you spent more or less
23 than ten hours, if you had to guess, preparing for
24 today's deposition?

08:03:56

08:04:01

08:04:05

25 A. I don't know. Ten sounds about right. I

08:04:07

1	don't know exactly.	08:04:12
2	Q. Okay. And do you have access to your	08:04:13
3	declaration and the exhibits in this proceeding?	08:04:16
4	A. I do. I have on my computer a folder that	08:04:19
5	contains the PDF files to my declaration and the	08:04:22
6	exhibits.	08:04:25
7	Q. Okay. As long as those are not marked with	08:04:26
8	anything, feel free to use those. I am uploading	08:04:29
9	into the chat for the benefit of the reporter,	08:04:33
10	Exhibits 1003, 1005, and 1006. Those are your	08:04:40
11	declaration, the Thomas reference, and the Sewall	08:04:48
12	reference respectively.	08:04:52
13	A. I believe that's correct.	08:04:56
14	Q. And we may address other exhibits but I	08:04:57
15	know we'll get to these ones. So I'm just putting	08:05:01
16	those in the chat for the benefit of everyone. But	08:05:05
17	again, feel free to use any clean copies of anything	08:05:07
18	that you have?	08:05:11
19	So if you could open Exhibit 1003 and	08:05:17
20	confirm that this is the declaration that you	08:05:22
21	submitted in this proceeding.	08:05:24
22	(Exhibit 1003 marked for identification.)	08:05:26
23	A. Yes. This is the declaration I submitted	08:05:30
24	to the proceedings.	08:05:33
25	Q. Okay. How did you prepare your	08:05:34

1	declaration?	08:05:37
2	A. The declaration represents my opinions. I	08:05:37
3	discussed the case with counsel. We discussed my	08:05:43
4	opinions, and that's how we prepared my declaration.	08:05:47
5	Q. Okay. Approximately how long did you spend	08:05:52
6	preparing your declaration?	08:05:56
7	A. I don't know. It was done sometime late	08:05:58
8	last year. I don't remember how much time exactly.	08:06:01
9	Q. Okay. Before you began work on this case	08:06:04
10	were you familiar with any of the prior art	08:06:13
11	references cited in your declaration?	08:06:16
12	A. I'm not sure that I was.	08:06:22
13	Q. Okay. And before you began your work on	08:06:23
14	this case were you familiar with the '102 patent?	08:06:25
15	A. I'm not sure I was.	08:06:29
16	Q. Okay. Could you please turn to	08:06:31
17	paragraph 42 of your declaration? I'll wait for you	08:06:57
18	to get there but paragraph 42 is the beginning of	08:07:07
19	your section heading titled, the '102 patent, and	08:07:11
20	then, subheading, background. Do you see that?	08:07:16
21	A. Yes, I see it.	08:07:26
22	Q. Okay. And feel free to refer to any other	08:07:28
23	part of your declaration in answering this question	08:07:31
24	but, did you provide any analysis of whether or where	08:07:33
25	in the '102 patent there was written description	08:07:42

1	support for any of the claim limitations?	08:07:46
2	MS. GALLEHER: Objection. Form.	08:07:51
3	THE WITNESS: So I see that I have cited to	08:07:52
4	the '102 patent throughout my declaration in a number	08:09:52
5	of places, including my analysis of the claims.	08:09:56
6	Q. Okay. So other than situations where you	08:10:17
7	have cited to the '102 patent, do you recall if you	08:10:22
8	provided any opinion regarding whether the '102	08:10:27
9	patent provides written description support for any	08:10:38
10	of the claim limitations?	08:10:41
11	A. Like I said -- as I said, I cited to	08:10:43
12	different parts of the '102 patent in my analysis of	08:10:49
13	the claims, and so we can go through each of them.	08:10:52
14	Q. Okay. I think that answers my question.	08:11:04
15	One of the references that you analyzed in forming	08:11:27
16	your opinions was the Thomas reference, Exhibit 1005;	08:11:29
17	correct?	08:11:34
18	A. Yes.	08:11:36
19	Q. Okay. And in analyzing the Thomas	08:11:36
20	reference do you have an opinion regarding which	08:11:42
21	figures of Thomas relate to a single embodiment?	08:11:46
22	MS. GALLEHER: Objection. Form.	08:11:59
23	THE WITNESS: As I said, I cited to --	08:12:01
24	well, throughout my declaration I cited to different	08:12:05
25	parts of Thomas, and in the cited part of Thomas it	08:12:07

1 refers to figures, some of which I include in my 08:12:13
2 declaration. Some of them are in the passages that I 08:12:19
3 cited to. 08:12:22

4 Q. Okay. And I ask this because I didn't see 08:12:26
5 anything explicit in your declaration regarding which 08:12:32
6 figures of Thomas were relating to the same 08:12:34
7 embodiment or alternative embodiments, or things like 08:12:38
8 that. So sitting here today do you recall whether in 08:12:43
9 your declaration you provided an opinion regarding 08:12:46
10 which figures of Thomas relate to which embodiment of 08:12:49
11 Thomas? 08:12:53

12 MS. GALLEHER: Objection. Form. 08:13:15

13 THE WITNESS: I don't understand the 08:13:16
14 question. As I said, throughout my declaration I 08:13:53
15 cited to different passages of Thomas and cited to 08:13:58
16 different figures, and so I'm not sure I understand 08:14:03
17 your question. 08:14:06

18 Q. Okay. Do you have an opinion regarding 08:14:07
19 whether figures 2 through 11 of Thomas all relate to 08:14:13
20 the same embodiment of Thomas? 08:14:20

21 MS. GALLEHER: Objection. Form. 08:14:28

22 THE WITNESS: I'm not sure I understand 08:14:30
23 your question. I cited to some of the figures you 08:15:53
24 mentioned and I relied on Thomas for the disclosures 08:15:55
25 and teachings to explain that -- to analyze the 08:16:00

1	claims.	08:16:06
2	Q. Okay. Do you have an opinion regarding	08:16:07
3	whether figures 5 and 6 of Thomas relate to the same	08:16:13
4	embodiment of Thomas?	08:16:17
5	MS. GALLEHER: Objection. Form.	08:16:19
6	THE WITNESS: Again, I have referred to	08:16:20
7	figures 5 and 6 and I used them in my analysis to	08:16:29
8	show that Thomas discloses the claims that I analyze.	08:16:33
9	Q. Okay. So I understand that you've cited to	08:16:41
10	figures 5 and 6, and you may not have an opinion on	08:16:45
11	this, and that's fine, or you may have an opinion on	08:16:49
12	this, and that's also fine. My question is just	08:16:53
13	aimed at getting at a specific answer to whether or	08:16:55
14	not you have an opinion regarding whether figures 5	08:17:02
15	and 6 of Thomas relate to the same embodiment of	08:17:06
16	Thomas. Do you have an opinion in that regard?	08:17:10
17	MS. GALLEHER: Objection. Form.	08:17:14
18	THE WITNESS: Again, I'm not sure I	08:17:16
19	understand the question. In my analysis I refer to	08:17:23
20	Figure 6 to show that the end user device is being	08:17:27
21	used as a hot spot that connects other devices to	08:17:34
22	some sort of cellular infrastructure or network, and	08:17:38
23	I also refer to Figure 5 to show these other devices	08:17:42
24	that connects through the same end user device 110 to	08:17:48
25	connect to the network.	08:17:52

1	Q. Okay. What about the question of whether	08:17:59
2	the two figures relate to the same embodiment are you	08:18:03
3	having trouble understanding?	08:18:06
4	A. So for example, in paragraph 61 of my	08:18:11
5	declaration, I refer to figures 5 and 6 as well as	08:22:09
6	other figures to explain that Thomas teaches this	08:22:14
7	wireless device 110 as communicating with one or more	08:22:18
8	laptop devices, and that this wireless device can	08:22:23
9	communicate with these other devices via a wireless	08:22:30
10	local area network. So that's how I explain the	08:22:37
11	teachings, as an example.	08:22:41
12	Q. Okay. So you would agree with me, right,	08:22:43
13	that figures 5 and 6 relate to the same embodiment of	08:22:46
14	Thomas?	08:22:49
15	MS. GALLEHER: Objection. Form.	08:22:52
16	THE WITNESS: So let's see. Thomas	08:23:09
17	describes Figure 5 as an exemplary implementation and	08:23:14
18	also describes Figure 6 as an exemplary	08:23:18
19	implementation. So I rely on the teachings of these	08:23:24
20	paragraphs I cited to show -- to do my claim	08:23:27
21	analysis.	08:23:32
22	Q. Okay. And are figures 5 and 6 the same	08:23:32
23	implementation or different implementations?	08:23:35
24	A. Again, I'm not sure I understand the	08:23:46
25	question. So again, Figure 5 and Figure 6 in Thomas	08:24:20

1	talks about exemplary implementation and describes	08:24:24
2	what is that exemplary implementation in each case.	08:24:27
3	Q. Okay. Could you please turn to	08:24:49
4	paragraph 62 of your declaration and let me know when	08:25:14
5	you're there.	08:25:16
6	A. I am there. Give me a minute. I am there.	08:25:17
7	Go ahead, please.	08:25:50
8	Q. Okay. So feel free to orient yourself to	08:25:51
9	the rest of your declaration for context, but do you	08:25:55
10	see that this is the beginning of your analysis of	08:25:57
11	limitation 1B within your ground 1 analysis?	08:26:00
12	A. I do.	08:26:07
13	Q. Okay. So do you see limitation 1B is --	08:26:08
14	you have it listed here, recites in part, quote, "a	08:26:18
15	first service policy setting for authorizing the end	08:26:23
16	user device to provide a forwarding service"?	08:26:26
17	A. I see that.	08:26:41
18	Q. Okay. As I understand it, you have two	08:26:42
19	alternative theories for what the first service	08:26:50
20	policy setting in Thomas is. I'm going to start by	08:26:53
21	asking the first one. If you could turn to	08:26:55
22	paragraph 64 of your declaration and let me know when	08:26:58
23	you're there.	08:27:06
24	A. I see. Please go ahead.	08:27:41
25	Q. Okay. And in paragraph 64 you start the	08:27:44

1	sentence by saying, "the memory of Thomas' end user	08:27:49
2	device stores a first service policy setting."	08:27:53
3	My question is, in paragraph 64 what are	08:27:57
4	you referring to as being the, quote, "first service	08:28:01
5	policy setting," of limitation 1B?	08:28:04
6	A. So I explain, I think, in paragraph 64 that	08:28:09
7	the authorization is obtaining authorization from a	08:28:17
8	network element such as server 108. So it's an	08:28:20
9	authorization from the network side.	08:28:25
10	Q. Okay. How does Thomas' wireless device 110	08:28:39
11	receive that authorization?	08:28:51
12	A. So as I explain in paragraph 64 and 65,	08:28:55
13	Thomas starts an application 312 to enable the	08:31:01
14	forwarding service, and the wireless device 110	08:31:08
15	obtains authorization from a network element such as	08:31:13
16	server 108, and that authorization is shown in	08:31:16
17	Figure 7. That's what's happening there. In	08:31:21
18	paragraph 65 I talk a little bit more in detail about	08:31:28
19	how the server may return a start message through a	08:31:31
20	wireless device providing configuration information	08:31:37
21	for providing the forwarding service, and that	08:31:39
22	configuration includes confirmation of authorization	08:31:42
23	or not authorization. So it may return back okay to	08:31:46
24	run or never start.	08:31:49
25	I go into more additional details in my	08:31:52

1	analysis of 1D that talks about the configuration for	08:31:55
2	the first policy setting.	08:32:00
3	Q. Okay. That's helpful. So I'm looking at	08:32:05
4	Figure 7 of Thomas that you have on -- have within	08:32:08
5	paragraph 64 of your declaration. Is the	08:32:18
6	authorization that you allege to be the first service	08:32:28
7	policy setting the authorization that's received in	08:32:34
8	the start_response message received by the server?	08:32:43
9	Received from the server, rather?	08:32:49
10	MS. GALLEHER: Objection. Form.	08:32:52
11	Q. I'll re ask the question for clarity. Is	08:32:55
12	the authorization that you allege to be the first	08:33:01
13	service policy setting contained within the	08:33:04
14	start_RESP message that's received by the wireless	08:33:15
15	device 110 from server 108?	08:33:22
16	A. So in paragraph 64/65 I describe the	08:35:14
17	process in which Thomas' end user device obtains	08:35:25
18	authorization or non-authorization from the network	08:35:31
19	through its server element 108, and as explained in	08:35:35
20	my paragraph 64 and 65, the server re-sprung back	08:35:42
21	with a configuration response that tells the wireless	08:35:49
22	device whether it's okay to run or should never	08:35:52
23	start, and the wireless device itself would then set	08:35:55
24	the setting as either authorize or not authorize. I	08:36:00
25	think that's the entire process. The claim element	08:36:06

1	is about storing this policy setting authorizing this	08:36:09
2	forwarding service.	08:36:23
3	So I think it's the process that I describe	08:36:24
4	here is how the first service policy setting is	08:36:26
5	determined.	08:36:29
6	Q. Okay. Once the server informs the wireless	08:36:32
7	device that it's authorized, what does the wireless	08:36:43
8	device do in response to that authorization?	08:36:48
9	A. So as I explain in paragraph 65, the	08:37:50
10	process is illustrated in Figure 7 and the server	08:37:55
11	will return whether to it's okay to run or should	08:38:01
12	never start, and the wireless device 110 can set the	08:38:07
13	first service policy setting to authorize or not	08:38:13
14	authorize.	08:38:16
15	Q. Okay. And when you say that the device	08:38:19
16	sets that setting to authorize or not authorize, what	08:38:21
17	do you mean by that in terms of what the device	08:38:25
18	actually does?	08:38:27
19	MS. GALLEHER: Objection. Form.	08:38:31
20	THE WITNESS: The device has to know	08:38:32
21	whether it is authorized to forward packets to the	08:38:39
22	network or not, and so it knows this based on the	08:38:45
23	information returns back from the server. So	08:38:52
24	depending on what the server respond, it would set	08:38:54
25	its setting to be authorized or not authorized in	08:38:58

1	order for it to know if it can forward packets	08:39:01
2	through the network.	08:39:03
3	Q. Okay. Does the wireless device 110 do	08:39:06
4	anything else with that authorization information?	08:39:11
5	MS. GALLEHER: Objection. Form.	08:39:16
6	THE WITNESS: It would at least teach that	08:39:44
7	the authorize or not authorize policy setting, which	08:39:46
8	is the first policy setting, would be stored.	08:39:50
9	Otherwise, it wouldn't know how -- whether or not to	08:39:53
10	allow forwarding of packets.	08:39:56
11	Q. Okay. Can you think of anything else that	08:40:00
12	the wireless device 110 does in response to the	08:40:02
13	authorization information?	08:40:05
14	MS. GALLEHER: Objection. Form.	08:40:07
15	THE WITNESS: So in the analysis of claim	08:40:17
16	1B for this portion of the question you're asking, as	08:40:46
17	I explain in my declaration, the Thomas teaches this	08:40:49
18	first service policy setting as whether the wireless	08:40:54
19	device 110 is authorized to forward packets to the	08:40:59
20	network or not, and this authorization is stored as a	08:41:03
21	policy setting. I think that's my analysis here with	08:41:09
22	respect to 1B.	08:41:13
23	Q. Okay. So it's your opinion that when the	08:41:15
24	server informs the wireless device that the wireless	08:41:19
25	device is authorized to forward packets, the wireless	08:41:24

1 device stores that information in memory, and are you 08:41:29
2 aware of the wireless device doing anything else with 08:41:38
3 that information? 08:41:41

4 MS. GALLEHER: Objection. Form. 08:41:43

5 THE WITNESS: With respect to 1B, my 08:42:11
6 analysis of Thomas is what is stated in these 08:42:14
7 paragraphs, and what is stated in these paragraphs is 08:42:17
8 that it obtains its authorization from the network as 08:42:20
9 its first service policy, and it sets it to authorize 08:42:26
10 or unauthorize for the forwarding service. 08:42:31

11 Q. So in your analysis and based on the 08:42:39
12 disclosures in Thomas, including Figure 7, your 08:42:49
13 testimony today is that you're not aware of anything 08:42:54
14 else that the wireless device 110 does in response to 08:42:56
15 receiving the authorization from the server beyond 08:43:03
16 storing that authorization in memory? 08:43:13

17 A. It's been some time that I wrote the 08:43:16
18 declaration. So I can -- I'm happy to review my 08:43:18
19 declaration to see if I've said anything else 08:43:21
20 further. 08:43:25

21 Q. Okay. Do you have an opinion regarding 08:43:26
22 whether once the wireless device 110 receives 08:43:33
23 authorization from the server, that the wireless 08:43:45
24 device activates the client application 312? 08:43:50

25 MS. GALLEHER: Objection. Form. 08:43:55

1	THE WITNESS: As I said in paragraph 64,	08:44:35
2	when the user of a wireless device 110 of Thomas	08:44:37
3	starts application 312 to enable the forwarding	08:44:41
4	service, the wireless device 110 first obtains	08:44:44
5	authorization from a network element. So that's the	08:44:48
6	opinion that I stated here, is that the wireless	08:44:56
7	device would start the application 312 to enable the	08:44:59
8	forwarding service, whereby the wireless device	08:45:02
9	obtains authorization from the network.	08:45:06
10	Q. Is the authentication -- sorry. Strike	08:46:02
11	that. Is the authorization information received by	08:46:06
12	the wireless device 110 contained in the start	08:46:13
13	response message shown in Figure 7?	08:46:18
14	MS. GALLEHER: Objection. Form.	08:46:22
15	THE WITNESS: So in my analysis in	08:46:55
16	paragraph 72 I talk about the configuration	08:47:07
17	information that the server 110 -- I mean, the server	08:47:11
18	108 responds. So as I explain in paragraph 72, the	08:47:16
19	server 108 responds to the request by sending a	08:47:24
20	response to 110 with configuration information, and I	08:47:34
21	included the response. As I explain in paragraph 72,	08:47:40
22	the start response message includes parameters such	08:47:43
23	as message type, response, which is located right on	08:47:46
24	the upper (inaudible), service level, and different	08:47:53
25	things like this. So this is the response from the	08:47:54

1	network element or the server element 108 to the	08:47:59
2	wireless device 110.	08:48:02
3	Q. Okay. And that response informs the	08:48:04
4	wireless device 110 whether or not it's authorized;	08:48:08
5	correct?	08:48:11
6	A. As I explain in the -- the response will	08:48:12
7	say it's okay to run, which is authorize, or not.	08:48:16
8	Q. Okay. And in response to receiving that	08:48:19
9	start response message does the wireless device 110	08:48:27
10	start the client access application 312 if it's	08:48:31
11	authorized?	08:48:35
12	MS. GALLEHER: Objection. Form.	08:48:36
13	THE WITNESS: Can you ask the question one	08:48:56
14	more time?	08:48:58
15	Q. Yeah. In response to receiving the start	08:48:59
16	response message does wireless device 110 start the	08:49:02
17	client access application 312 if it is, in fact,	08:49:06
18	authorized?	08:49:11
19	A. So I want to make an important distinction	08:49:15
20	in my analysis. Thomas teaches as a first service	08:49:18
21	policy the authorization to forward packets to the	08:49:25
22	network. So in that first service policy, it's	08:49:31
23	network facing. Thomas teaches separately on the	08:49:37
24	other device side, whether to enable or disable or	08:49:43
25	allow or disallow other devices to connect through it	08:49:48

1 as a forwarding service. So there's a difference 08:49:54
2 between getting authorization from the network as a 08:49:57
3 service policy from the second service policy, which 08:50:00
4 is to allow or disallow or enable or disable the 08:50:05
5 forwarding from the other device side. So as I 08:50:11
6 explained earlier in paragraphs 64, 65, and so forth, 08:50:16
7 that -- let me go back to it. 08:50:21

8 Thomas starts application 312, which then 08:50:25
9 causes it to obtain an authorization from the 08:50:37
10 network. So that's the first point. The second 08:50:41
11 point is that I explain in my analysis of the second 08:50:43
12 service policy setting that Thomas teaches about 08:50:46
13 allowing or disallowing the client-side to receive 08:50:55
14 packets for forwarding. Those are two distinct 08:50:59
15 things. 08:51:03

16 Q. Okay. I'm not quite sure that that 08:51:06
17 answered my question. I'm going to re-ask it. My 08:51:08
18 question is specifically, in response to receiving 08:51:11
19 the start response message, does wireless device 110 08:51:15
20 start the client access application 312 if it is, in 08:51:23
21 fact, authorized? 08:51:29

22 MS. GALLEHER: Objection. Form. 08:51:33

23 Q. Actually, I'll withdraw that question and 08:51:52
24 re-ask a probably slightly simpler question. You 08:51:55
25 mentioned that one of the parameters that the 08:52:00

1	wireless device 110 receives in the start response	08:52:03
2	message is an okay to run response. So would you	08:52:06
3	agree that the wireless device 110 will start the	08:52:14
4	client access application 312 if it receives an okay	08:52:18
5	to run response in the start response message?	08:52:22
6	MS. GALLEHER: Objection. Form.	08:52:29
7	THE WITNESS: Can you repeat the question?	08:52:32
8	Q. Yeah. Would you agree that the wireless	08:52:38
9	device 110 will start the client access application	08:52:41
10	312 if it receives an okay to run response in the	08:52:50
11	start response message obtained from the server?	08:52:56
12	MS. GALLEHER: Objection. Form.	08:53:06
13	THE WITNESS: I explain in paragraph 76,	08:53:08
14	starting in paragraph 76, with respect to -- hang on	08:55:05
15	a second.	08:55:12
16	So as I explain starting in paragraph 76	08:57:03
17	through paragraphs 80, I explain that the act of	08:57:09
18	getting authorization from the network is distinct	08:57:18
19	from a second service policy of turning on and off	08:57:21
20	the forwarding service with respect to the	08:57:27
21	client-side or the other device side, and the -- I	08:57:30
22	explain in these paragraphs, citing to figures 9 and	08:57:36
23	10 that shows a user interface that indicates whether	08:57:40
24	the service is on and off, and those are distinct	08:57:45
25	service policy settings.	08:57:52

1	Q. Okay. I see what you say in your	08:57:54
2	declaration there. My question specifically is	08:57:59
3	whether you agree or disagree that the wireless	08:58:01
4	device 110 will start the client access application	08:58:05
5	312 if it receives an okay to run response in the	08:58:09
6	start response message obtained from the server.	08:58:13
7	MS. GALLEHER: Objection. Form.	08:58:18
8	THE WITNESS: As I explain in these	08:58:25
9	paragraphs 76 onwards through 80, the user interface	08:58:30
10	provides a separate capability for the user to turn	08:58:35
11	on -- to enable or disable the forwarding service	08:58:41
12	with respect to the connection to the other devices.	08:58:45
13	I further explain in these paragraphs that those	08:58:50
14	connections that are allowed or disallowed can be	08:58:55
15	controlled at the individual connection level, which	08:59:00
16	is what Thomas explains. So the act of getting	08:59:02
17	authorization from the network is separate from the	08:59:08
18	act of enabling or disabling or allowing or not	08:59:10
19	allowing the connections on the other device side,	08:59:15
20	and I think Thomas is clear on this teaching.	08:59:19
21	Q. I don't think any of that was responsive to	08:59:22
22	my question at all. I'll object on that basis. Dr.	08:59:25
23	Lin, my question specifically is whether you agree or	08:59:28
24	disagree that the wireless device 110 will start the	08:59:31
25	client access application 312 if it receives an okay	08:59:36

1	to run response in the start response message	08:59:40
2	obtained from the server.	08:59:44
3	MS. GALLEHER: Objection. Asked and	08:59:46
4	answered.	08:59:47
5	THE WITNESS: I think as we explained	08:59:47
6	earlier, in paragraph 64 Thomas starts the	09:01:24
7	application 312, which then proceeds with the	09:01:28
8	authorization from the network side. I think that's	09:01:32
9	separate from what I explain in paragraph 76 onwards	09:01:35
10	about a separate setting, which is the setting to	09:01:40
11	allow forwarding connections with respect to the	09:01:46
12	other devices. So I think those are two different	09:01:49
13	things. As I said in the -- as I explained earlier	09:01:52
14	in paragraph 64, Thomas starts the application to	09:02:06
15	enabling the forwarding service which then triggers	09:02:10
16	the authorization.	09:02:13
17	Q. Okay. So it sounds like you disagree that	09:02:14
18	the wireless device 110 will start the client access	09:02:20
19	application 312 if it receives an okay to run a	09:02:23
20	response in the start response message obtained from	09:02:26
21	the server. Is it correct that you disagree with	09:02:29
22	that statement?	09:02:32
23	MS. GALLEHER: Objection. Form.	09:02:34
24	THE WITNESS: Can you repeat the question	09:02:35
25	one more time?	09:02:55

1	Q. Yeah. It sounds like you disagree that the	09:02:55
2	wireless device 110 will start the client access	09:02:59
3	application 312 if it receives an okay to run	09:03:04
4	response in the start response message obtained from	09:03:07
5	the server. Is it correct that you disagree with	09:03:10
6	that statement?	09:03:13
7	A. I can point you directly to Thomas,	09:03:14
8	paragraph 58 of Thomas, where it says -- this is	09:03:20
9	Thomas saying this. When the user wireless device	09:03:23
10	towards the client is 10 starts decline -- Thomas in	09:03:27
11	paragraph 58 states that, when a user wireless device	09:03:44
12	110 starts declining access application 312, a	09:03:49
13	message gets sent to the server. Then, in	09:03:54
14	paragraph 59 the server responds back with the start	09:03:59
15	response message that we just talked about from which	09:04:02
16	the message will indicate whether it's okay to run or	09:04:06
17	never to run. So according to Thomas, the	09:04:09
18	application 312 has already started before the	09:04:14
19	request goes to the network before getting the	09:04:17
20	response back.	09:04:21
21	Q. Okay. So it's correct, right, that you	09:04:22
22	disagree that wireless device 110 will start the	09:04:25
23	client access application 312 if it receives an okay	09:04:29
24	to run response in the start response message	09:04:32
25	obtained from the server?	09:04:36

1	MS. GALLEHER: Objection to form.	09:04:38
2	THE WITNESS: I think I've answered the	09:04:39
3	question. I think Thomas is saying that the	09:04:41
4	application already started before the authorization	09:04:43
5	request to the network is sent.	09:04:47
6	Q. Okay. If I could direct you to Thomas at	09:04:51
7	paragraph 60. I'll quote this for you. "In response	09:05:23
8	to receiving the start response message, the wireless	09:05:27
9	device 110 will either start the client access	09:05:31
10	application 312 or will stop its attempts depending	09:05:34
11	upon whether the parameters set indicated that it was	09:05:38
12	okay to run or whether it should never start."	09:05:40
13	My question is, how is that consistent with	09:05:43
14	your testimony that you disagree that client access	09:05:52
15	application 312 is started in response to the start	09:06:01
16	response message?	09:06:04
17	MS. GALLEHER: Objection. Form.	09:06:06
18	THE WITNESS: I think this is -- these	09:06:39
19	words are written by Thomas himself, starting with	09:09:30
20	paragraph 58 that talks about when the wireless	09:09:34
21	device 110 starts declining application, client	09:09:37
22	access application 312, a message gets sent to the	09:09:40
23	server and the server will respond back with a	09:09:44
24	message that authorizes or not authorize the	09:09:49
25	connection with respect to the network side,	09:09:53

1	affording with respect to the network side, and then,	09:09:56
2	paragraph 60 says, in response, the device will	09:10:02
3	either start the client access application 312 or	09:10:04
4	stop.	09:10:08
5	I think they are not inconsistent. I think	09:10:09
6	58 says that the application has already -- needs to	09:10:12
7	be started in order to send the request. The	09:10:17
8	authorization come back will either say that the	09:10:20
9	forwarding service to the network is started or not.	09:10:25
10	Q. So is it your opinion that the forwarding	09:10:32
11	service to the network is the same as client	09:10:35
12	application 312?	09:10:39
13	MS. GALLEHER: Objection. Form.	09:10:41
14	THE WITNESS: I think in my analysis to the	09:10:42
15	corresponding element is showing that Thomas is	09:10:47
16	teaching that there's an authorization step that	09:10:52
17	occurs between the wireless device 110 and the	09:10:56
18	network side, and that's what I have identified as	09:11:00
19	the first service policy.	09:11:02
20	Q. Dr. Lin, is it your opinion that the	09:11:06
21	forwarding service to the network is the same as	09:11:08
22	client application 312?	09:11:11
23	MS. GALLEHER: Objection. Form.	09:11:12
24	THE WITNESS: I think I've explained	09:11:13
25	everything in the particular paragraph. I think I've	09:11:27

1	explained in my declaration that there are two	09:11:30
2	separate things going on. There's the authorization	09:11:32
3	to forward to the network. That's one service policy	09:11:34
4	setting. There's a separate service policy setting	09:11:40
5	that deals with whether on the client-side a client	09:11:42
6	is allowed or not allowed to forward packets. Those	09:11:48
7	are both under the client access application.	09:11:52
8	By the way, could I get a break soon?	09:12:15
9	Q. Yeah. Let me just finish this line really	09:12:20
10	quickly. We'll break very shortly.	09:12:24
11	So it's your understanding that in	09:12:26
12	paragraph 60, when Thomas says that it will start the	09:12:30
13	client access application 312, it's actually	09:12:38
14	referring to starting forwarding service on the	09:12:44
15	network.	09:12:51
16	MS. GALLEHER: Objection. Form.	09:12:53
17	THE WITNESS: I think paragraph 60 says	09:12:54
18	what it says. I think in my analysis -- in my	09:13:02
19	declaration I analyze how the first service policy	09:13:09
20	settings with respect to the authorization to forward	09:13:17
21	packets to the network is distinct from the second	09:13:19
22	service policy setting of allowing clients or other	09:13:22
23	devices to connect to the hot spot to forward	09:13:25
24	packets. I explain in a number of places in my	09:13:30
25	declaration that those are two distinct service	09:13:33

1	policies.	09:13:37
2	Q. Yeah. I understand that it's your	09:13:37
3	testimony that the claim limitations are satisfied.	09:13:40
4	My question is, in paragraph 60 of Thomas when it	09:13:43
5	says that it will start the client access application	09:13:47
6	312, does it actually mean that it starts the client	09:13:49
7	access application 312 or is it your opinion that,	09:13:56
8	instead it means it's starting forwarding service to	09:14:00
9	the network?	09:14:03
10	MS. GALLEHER: Objection. Form.	09:14:04
11	THE WITNESS: So paragraph 60 of Thomas	09:14:24
12	says what it says. My opinion is that they're two	09:17:35
13	distinct service policy settings, one for forwarding	09:17:39
14	authorization to the network and one is to enable	09:17:43
15	forwarding service to the other services, and I	09:17:46
16	explain in other paragraphs the support for the	09:17:48
17	second service policy.	09:17:52
18	Q. Okay. So Dr. Lin, we can either take a	09:17:55
19	break now or you can answer -- you can provide an	09:17:59
20	answer to the question. I would ask that you don't	09:18:03
21	take a break and then come back and give a different	09:18:08
22	answer to the same question. So if you want to	09:18:11
23	provide an answer to whether you have an opinion as	09:18:15
24	to whether in paragraph 60 of Thomas when it says	09:18:19
25	that it will start the client access application 312,	09:18:25

1	it actually means that it starts the client access	09:18:28
2	application 312 or, instead means it's starting	09:18:33
3	forwarding service to network. Now is your	09:18:37
4	opportunity to give that answer. Otherwise, we'll	09:18:40
5	take a break.	09:18:42
6	A. So as I said, I see what is written in	09:18:44
7	paragraph 60 and I agree with what is written.	09:18:48
8	Q. Okay. Let's go off the record.	09:18:53
9	(Recess taken.)	09:18:57
10	Q. Dr. Lin, did you speak with counsel over	09:29:17
11	the break?	09:29:21
12	A. No.	09:29:22
13	Q. Okay. If you could please turn to	09:29:23
14	paragraph 66 of your declaration and let me know when	09:29:39
15	you're there.	09:29:41
16	A. Yes. Please go ahead.	09:30:02
17	Q. So in paragraph 66 of your declaration the	09:30:04
18	first sentence states, "one of skill in the art would	09:30:09
19	understand that Thomas's authorization is a, quote,	09:30:13
20	'setting', unquote, that would remain in place during	09:30:17
21	the forwarding service session."	09:30:20
22	My question is, how does Thomas'	09:30:24
23	authorization setting change from authorized to not	09:30:32
24	authorized?	09:30:41
25	A. So there are several points that I made in	09:30:52

1	this section around paragraph 64 through 66 and 67.	09:33:28
2	I think the first point is when the wireless device	09:33:36
3	sends a message to the network, to server 108, it can	09:33:43
4	receive back a message to authorize the connection to	09:33:48
5	the network, forwarding connection to the network, or	09:33:53
6	unauthorize. So the -- my first point is that the	09:33:56
7	first service policy has two possible settings:	09:34:05
8	Authorize or unauthorize. It has to have a setting	09:34:12
9	in order to allow the two possible authorizations.	09:34:14
10	Separately, in paragraph 66 I cited to	09:34:21
11	paragraph 64 of Thomas, which basically says that	09:34:28
12	when the last client terminates, the session will be	09:34:38
13	considered complete.	09:34:46
14	So what Thomas is saying is that the	09:34:47
15	session is complete and in order to have a new	09:34:50
16	forwarding service section, the wireless device 110	09:34:54
17	would seek authorization again from the network side.	09:34:59
18	So the service -- the forwarding service on the	09:35:06
19	network facing side can be authorized and	09:35:10
20	unauthorized. That authorization, regardless of	09:35:13
21	whether it was authorized or not authorized -- at	09:35:18
22	least in the case when it's authorized, the session	09:35:23
23	could end and a new authorization request could be	09:35:27
24	sent, and that authorization response could be	09:35:31
25	different.	09:35:33

1	Q. Okay. How does Thomas know when the	09:35:36
2	session is complete?	09:35:45
3	A. It gives an example in paragraph 64 of	09:35:46
4	Thomas that when the last client leaves -- Thomas	09:35:52
5	teaches that when the last computing device	09:35:58
6	terminates the communication, the session may be	09:36:01
7	considered completed.	09:36:05
8	Q. Okay. And where does Thomas say that when	09:36:06
9	the session is considered completed that the wireless	09:36:08
10	device 110 is no longer authorized?	09:36:14
11	A. Can you repeat the question?	09:36:21
12	Q. Yeah. When the session is considered	09:37:11
13	completed -- strike that. Where does the Thomas	09:37:18
14	reference disclose that the wireless device 110 is no	09:37:23
15	longer authorized after the session is considered	09:37:28
16	completed, as disclosed in paragraph 64 of Thomas?	09:37:31
17	A. My first point is that in analyzing the	09:37:37
18	authorization from the network side, that's the first	09:37:53
19	service policy setting. The setting can either be	09:37:57
20	authorized or not authorized. I think Thomas'	09:38:02
21	teaching is that that is a service policy, whether	09:38:06
22	it's authorized or not authorized. If authorization	09:38:10
23	is granted and the session is completed, I think a	09:38:18
24	POSITA would read it as that to start a new session	09:38:26
25	it would need to obtain authorization again. I think	09:38:32

1	Thomas talks about the authorization being in force	09:38:38
2	during the session. I need to find the passage in my	09:38:54
3	declaration that explains that, but Thomas talks	09:38:59
4	about the authorization remaining active.	09:39:02
5	Q. Is it your opinion that the session being	09:39:45
6	considered completed as disclosed in paragraph 64 is	09:39:47
7	the same as the session being terminated?	09:39:51
8	MS. GALLEHER: Objection. Form.	09:39:59
9	THE WITNESS: The primary analysis in my	09:40:01
10	declaration with respect to element 1B is the fact	09:41:53
11	that in Thomas, Thomas teaches that on the network	09:42:00
12	facing side there are two possibilities. Either the	09:42:05
13	network authorizes it for packets or it doesn't	09:42:11
14	authorize it. In my analysis of 1B I'm pointing to	09:42:17
15	specifically that the setting of authorize or	09:42:22
16	unauthorize on the network side is a first service	09:42:26
17	policy setting. That's my primary analysis in these	09:42:29
18	paragraphs 62 onwards with respect to the claim	09:42:36
19	element 1B.	09:42:45
20	Q. Okay. So I think I understand that based	09:42:47
21	on your last response that the setting of authorize	09:42:51
22	or unauthorize on the network side is the first	09:42:57
23	service policy setting. I think my question is	09:43:00
24	getting at something slightly different, which is	09:43:02
25	when on the device side does the wireless device 100	09:43:09

1	change its setting from authorized to unauthorized?	09:43:14
2	MS. GALLEHER: Objection. Form.	09:43:23
3	THE WITNESS: So I want to make a	09:43:29
4	distinction on the words being used. I want to make	09:43:31
5	a distinction that for the first service policy I'm	09:43:35
6	referring to the service policy on the network facing	09:43:39
7	side, whether the policy is to allow forwarding --	09:43:44
8	whether the policy is to authorize forwarding to the	09:43:49
9	network or not authorize to forward to the network.	09:43:52
10	So I want to make a distinction. That's my opinion	09:43:56
11	of the first service policy. I think as a distinct	09:44:01
12	second service policy, I want to make clear that I --	09:44:05
13	in my opinion, Thomas teaches that second policy by	09:44:11
14	allowing or disallowing the client-side to use the	09:44:15
15	wireless device 110 as a forwarding hot spot. Those	09:44:20
16	are two distinct services and two distinct policies.	09:44:25
17	Q. Okay. Dr. Lin, I'm sorry. This is	09:44:28
18	becoming a recurring problem. I'll object as	09:44:30
19	non-responsive. If you could please try to answer	09:44:33
20	the questions I'm asking. I'm sure the board would	09:44:37
21	appreciate it and I would greatly appreciate it.	09:44:40
22	Your counsel can ask you questions at the end of this	09:44:46
23	deposition if they want to elicit more testimony from	09:44:48
24	you.	09:44:51
25	So my question is, when on the device side	09:44:53

1	does the wireless device 100 change its first service	09:44:58
2	policy setting from authorized to unauthorized.	09:45:03
3	MS. GALLEHER: Objection to form.	09:45:12
4	THE WITNESS: Just so I understand your	09:45:12
5	question, when you say, "on the device side," are you	09:45:13
6	saying on the other device side? Between the hot	09:45:16
7	spot and the other devices that wants to use the	09:45:20
8	forwarding service?	09:45:22
9	Q. I'm asking, when wireless device 101	09:45:23
10	changes its first service policy setting from	09:45:31
11	authorized to unauthorized, when does that --	09:45:33
12	A. I just want to clarify the question. You	09:45:36
13	said on the device side. I'm trying to clarify	09:45:38
14	whether you're talking about the policy of allowing	09:45:41
15	or disallowing clients to use the wireless device 110	09:45:46
16	as the hot spot. Is that what you're referring to or	09:45:50
17	are you referring to something different?	09:45:53
18	Q. I believe for limitation 1B that you are	09:45:55
19	mapping the, quote, "first service policy setting" to	09:45:57
20	the setting that authorized the end user device to	09:46:07
21	provide a forwarding service; correct?	09:46:10
22	A. To the network, yes.	09:46:13
23	Q. Okay. And so my question is, when does	09:46:14
24	wireless device 110 change that first service policy	09:46:19
25	setting from authorized to unauthorized?	09:46:26

1	MS. GALLEHER: Objection. Form.	09:46:31
2	THE WITNESS: So in my declaration, I think	09:51:35
3	I provided additional examples where Thomas might	09:51:39
4	teach wireless 110 as obtaining additional	09:51:44
5	authorization for new users that wanted to connect	09:51:49
6	through the network. So it's the authorization from	09:51:53
7	the network. I said that the authorization remains	09:51:56
8	active throughout the session. I don't think I	09:52:01
9	provided additional opinions beyond that other than	09:52:05
10	to cite to paragraph 64 to say that when all the	09:52:07
11	devices stopped communicating, then the session is	09:52:11
12	considered to be completed. I have not offered	09:52:15
13	additional opinions beyond that.	09:52:18
14	Q. Okay. So other than an opinion that --	09:52:19
15	well, actually, let me try to clarify that opinion.	09:52:27
16	Is it your opinion that when the session is	09:52:33
17	considered to be completed as disclosed in	09:52:35
18	paragraph 64 then at that moment the wireless device	09:52:38
19	110 would update its -- update what you're alleging	09:52:44
20	to be the first service policy setting from	09:52:54
21	authorized to unauthorized?	09:53:01
22	MS. GALLEHER: Objection. Form.	09:53:03
23	THE WITNESS: I don't think I've explicitly	09:53:11
24	offered an opinion one way or the other. Again, my	09:53:13
25	analysis centered around the first service policy	09:53:16

1	setting being authorized or unauthorized. I said in	09:53:18
2	my report the authorization remained active	09:53:23
3	throughout the session. I pointed to paragraph 64 to	09:53:26
4	show when the session might be completed. I don't	09:53:30
5	think I've offered an opinion further than that.	09:53:34
6	Q. Okay. Then, in paragraph 67 -- actually,	09:53:45
7	if you could turn to paragraph 67 of your declaration	09:54:03
8	and let me know when you're there.	09:54:05
9	A. I am there.	09:54:07
10	Q. In this paragraph you identify, quote,	09:54:08
11	"another first service policy setting," unquote,	09:54:26
12	which, as I understand it, is modified by, quote, "a	09:54:33
13	user interface to allow or disallow access to a	09:54:37
14	connection by computing devices that are within range	09:54:41
15	of the wireless device 110"; is that correct?	09:54:47
16	MS. GALLEHER: Objection. Form.	09:54:52
17	THE WITNESS: Can I ask you to repeat the	09:55:29
18	question?	09:55:31
19	Q. Yeah. So is it -- in paragraph 67 is it	09:55:31
20	correct that you identify another first service	09:55:37
21	policy setting that is modified by a user interface	09:55:40
22	to allow or disallow access to a connection by	09:55:52
23	computer devices that are within range of the	09:55:57
24	wireless device 110?	09:55:59
25	MS. GALLEHER: Objection. Form.	09:56:02

1	THE WITNESS: So what you've read from my	09:56:05
2	declaration, paragraph 67, sounds correct. What I'm	09:56:07
3	saying here is, again, there are two service policy	09:56:12
4	settings. One is with respect to whether a wireless	09:56:18
5	device is allowed to forward packets to the network,	09:56:23
6	and the second service policy is whether the wireless	09:56:27
7	device is allowing the reception of packets from the	09:56:30
8	other devices to be forwarded, whether it allows that	09:56:39
9	forwarding on that side of the connection. What I'm	09:56:42
10	citing here is that Thomas teaches that network	09:56:49
11	authorization on the network side can be done on an	09:56:54
12	individual client device basis.	09:56:59
13	Q. Okay. So is that -- I'm going to refer to	09:57:03
14	this as another first sub service policy setting as	09:57:08
15	opposed to the first service policy setting that	09:57:14
16	we've been discussing previously. In an attempt at	09:57:17
17	clarity because the claim separately recites a second	09:57:22
18	service policy setting. When we're talking about	09:57:25
19	this one, for the record, I'll try to use another	09:57:28
20	first service policy setting to refer to this	09:57:31
21	individual user-by-user basis policy setting.	09:57:35
22	So is it your opinion that the another	09:57:40
23	first service policy setting is a policy setting that	09:57:46
24	applies to an individual connection between a device	09:57:49
25	114 and wireless device 110?	09:58:00

1	MS. GALLEHER: Objection. Form.	09:58:05
2	THE WITNESS: So Thomas teaches that the	09:58:07
3	user interface may be provided to consider individual	09:58:15
4	users, individual devices 114 and, again, there are	09:58:22
5	two separate policy settings. There's a service	09:58:30
6	policy setting that is network facing, receiving	09:58:33
7	authorization or not authorization from the -- a	09:58:36
8	server on the network side. This is what I'm	09:58:41
9	discussing here. There's a separate service policy	09:58:44
10	which is to say whether we allow or disallow packets	09:58:50
11	to be forwarded from device 114 to 110. I think	09:58:54
12	those are two separate service policies. What I am	09:58:59
13	referring to here in paragraph 67 is the	09:59:03
14	authorization from the network side.	09:59:06
15	Q. Authorization from the network side to do	09:59:31
16	what?	09:59:34
17	A. So I think it's teaching as a -- again, in	09:59:34
18	my section here, my primary analysis is the	09:59:41
19	authorization to forward packets to the network from	09:59:44
20	the network facing side. That's my primary analysis	09:59:48
21	in this section. Here I'm pointing to the teaching	09:59:53
22	from Thomas that individual users may also be	09:59:57
23	considered, and one of the possibilities is that this	10:00:03
24	will require network authorization for that	10:00:08
25	individual user on the network side.	10:00:13

1	Q. Okay. So this another first service policy	10:00:21
2	setting that you're identifying in paragraph 67 is a	10:00:23
3	network authorization that pertains to an individual	10:00:27
4	user?	10:00:31
5	MS. GALLEHER: Objection. Form.	10:00:35
6	THE WITNESS: My entire analysis in this	10:00:36
7	section is really with respect to authorization on	10:00:38
8	the network side, and my main analysis is with	10:00:40
9	respect to the earlier paragraphs. Here I'm just	10:00:48
10	adding further support of teaching from Thomas that	10:00:50
11	the network authorization may be on an individual	10:00:58
12	basis.	10:01:02
13	Q. Okay. So is the first service policy	10:01:03
14	setting that you identify in paragraph 67 of your	10:01:06
15	declaration the same first service policy setting or	10:01:10
16	a different first service policy setting or a	10:01:16
17	different first service policy setting than the one	10:01:18
18	you identify in paragraph 64 of your declaration?	10:01:18
19	MS. GALLEHER: Objection. Form.	10:01:23
20	THE WITNESS: I think in that sense it's	10:01:24
21	the same per service policy, and the first service	10:01:30
22	policy is really with respect to network	10:01:34
23	authorization. So whether -- I'll back up. My main	10:01:37
24	analysis in the section is about the first service	10:01:49
25	policy with respect to network authorization on the	10:01:53

1	network facing side. That's my main explanation for	10:01:57
2	when a first service policy setting that Thomas	10:02:04
3	teaches. I've cited in paragraph 67 that further	10:02:07
4	evidence from Thomas that talks about individual	10:02:13
5	connections, whether we considered that to be the	10:02:18
6	same first service policy or a different one, I'm not	10:02:21
7	sure that is my central point. My central point is	10:02:25
8	that in these paragraphs a wireless device 110 will	10:02:30
9	request authorization to forward packets to the	10:02:35
10	network on the network side. My paragraphs here	10:02:40
11	talks about forwarding packets through the networking	10:02:43
12	side.	10:02:46
13	The addition of 67 points to additional	10:02:46
14	supporting teaching that that service policy may	10:02:50
15	include authorization on the network side on an	10:02:52
16	individual basis. So to answer your question, it's	10:02:55
17	the same service policy in terms of network	10:03:03
18	authorization, and paragraph 67 just adds additional	10:03:07
19	support.	10:03:10
20	Q. Okay. Does paragraph 67 add additional	10:03:14
21	support because it shows authorization of the	10:03:51
22	wireless device to provide network forwarding service	10:03:57
23	to a specific client computing device 114, or for	10:04:02
24	some other reason?	10:04:07
25	MS. GALLEHER: Objection. Form.	10:04:09

1	THE WITNESS: Can you say that one more	10:04:10
2	time, please?	10:04:12
3	Q. Yeah. Just as background, I'm trying to	10:04:13
4	understand why -- I'm trying to understand your	10:04:20
5	opinion that these are essentially the same first	10:04:25
6	service policy settings. I'm trying to understand	10:04:28
7	why you're relying on your discussion in paragraph 67	10:04:37
8	as providing additional support. So is it your	10:04:40
9	opinion that your discussion starting on paragraph 67	10:04:41
10	of your declaration provides additional support for	10:04:43
11	your opinion because the server provides the wireless	10:04:48
12	device 110 with authorization to provide network	10:04:51
13	forwarding service to a particular client device 114?	10:05:00
14	MS. GALLEHER: Objection. Form.	10:05:04
15	THE WITNESS: I think I had two purposes in	10:06:47
16	explaining what I wrote in 67. I think first is that	10:06:50
17	the analysis of 1B is about network authorization on	10:06:56
18	the network side. I think in paragraph 67 it shows	10:07:02
19	why we want this forwarding service. So Figure 5	10:07:08
20	shows an example that would explain why we want a	10:07:12
21	forwarding service. So this is just to further	10:07:15
22	motivate why this device 110 would seek authorization	10:07:19
23	on the network side. I think that's my point. I	10:07:23
24	think the second point is that the wireless devices	10:07:26
25	114, if it's a new device adding, the Thomas teaches	10:07:34

1	that network authorization may be needed for an	10:07:40
2	additional user separate from the existing users.	10:07:47
3	I think I'm just pointing to additional	10:07:51
4	variants that are possible.	10:07:53
5	Q. Okay. So an additional variant might be an	10:07:56
6	authorization for a particular user separate from	10:07:59
7	existing users; correct?	10:08:03
8	A. With respect to the network side. With	10:08:05
9	respect to the network authorization side.	10:08:07
10	Q. Okay. Where in your paragraph 67 do you	10:08:09
11	refer to the network authorization side of things?	10:08:34
12	A. I don't think I've written down explicitly	10:08:38
13	what you just asked. My paragraph 67 is as written	10:08:45
14	and, again, I had two purposes. One is to illustrate	10:08:49
15	a use case for why this device 110 would want to get	10:08:52
16	network authorization from the network side. I think	10:08:57
17	that's one purpose of paragraph 67. The other	10:08:59
18	purpose is to indicate that if a new user can come	10:09:03
19	on, the network side of the authorization may or may	10:09:11
20	not be there, and additional authorization may be	10:09:14
21	needed. What I wrote in paragraph 67 is confined to	10:09:19
22	what I wrote in -- I'm sorry. What I wrote in	10:09:23
23	paragraph 67 is confined to what I wrote in 67.	10:09:26
24	Q. Okay. Where in your analysis of limitation	10:09:30
25	1B anywhere do you specify that if a new user wants	10:09:37

1	to come on, the network side of the authorization may	10:09:46
2	or may not be there, and additional authorization may	10:09:49
3	be necessary?	10:09:53
4	MS. GALLEHER: Objection. Form.	10:09:54
5	THE WITNESS: My opinions are stated in my	10:09:56
6	declaration as they are stated in these paragraphs 64	10:10:01
7	to 67, as we've been discussing, and my opinions in	10:10:05
8	paragraphs 67 are confined to exactly what I wrote in	10:10:09
9	paragraph 67. So again, I'm using it as a use case	10:10:14
10	to motivate the network authorization, and as I'm	10:10:18
11	sitting here today, I think the individual user --	10:10:24
12	new user coming online may necessitate additional	10:10:28
13	network authorization, but I see in my paragraph 67	10:10:32
14	that what I've written is -- my opinion is confined	10:10:39
15	to what is written. I did not explicitly say what	10:10:42
16	you just said.	10:10:45
17	Q. Okay. Then, if we can go to -- strike	10:10:46
18	that. I'm sorry. I'm finding my place here.	10:11:44
19	Okay. If we could go to paragraph 79 of	10:12:19
20	your declaration and let me know when you're there.	10:12:22
21	Dr. Lin, feel free to take your time. I just want to	10:14:07
22	make sure I haven't missed anything. Let me know	10:14:11
23	when you're ready to proceed with paragraph 79 of	10:14:13
24	your declaration.	10:14:15
25	A. Please go ahead and ask your question.	10:16:52

1 Q. Okay. In the section beginning with 10:16:54
2 paragraph 79 of your declaration, what are you 10:17:23
3 identifying as, quote, "the second service policy 10:17:24
4 setting"? 10:17:28

5 A. What I'm identifying as the second service 10:17:28
6 policy setting is with respect to the connection to 10:17:35
7 the other device's side. So the connection to the 10:17:41
8 114. So the second service policy is with respect to 10:17:46
9 allowing or disallowing connections to other devices 10:17:52
10 114s. 10:17:54

11 Q. Sorry, I'm not seeing that in your 10:18:13
12 declaration, the section starting with paragraph 79. 10:18:16
13 Can you clarify what language of paragraph 79 the 10:18:20
14 second service policy setting is with respect to 10:18:27
15 allowing or disallowing connections to other devices 10:18:31
16 114? 10:18:34

17 MS. GALLEHER: Objection. Form. 10:18:36

18 THE WITNESS: I think my explanation 10:18:37
19 already started in the preceding claim element, 1D2, 10:20:19
20 but at a high level I talked about -- at a high level 10:20:23
21 there are two points. One is that the user 10:20:29
22 interface, Figure 9 and Figure 10, shows active 10:20:32
23 connections and shows whether the service -- the user 10:20:35
24 interface shows active connections and shows whether 10:20:51
25 the connections to the wireless device side, 114s, 10:20:55

1	are on or off.	10:21:03
2	Q. Okay. So let's look at Figure 9 of Thomas,	10:21:06
3	which is reproduced in paragraph 79 of your	10:21:16
4	declaration. The first entry there, 902 in Figure 9	10:21:18
5	says, "MN123456: On."	10:21:26
6	Do you see that?	10:21:32
7	A. Yes.	10:21:33
8	Q. Okay. What is that "on" referring to?	10:21:33
9	A. As I said in paragraph 79, I think the	10:21:44
10	setting -- the display to forwarding service is on	10:23:36
11	with respect to the connections to the client-side.	10:23:46
12	The 902 is indicating the ability to enable or	10:24:02
13	disable forwarding service, turning forwarding	10:24:12
14	service on or off. That's what I just said.	10:24:19
15	Q. And that on or off setting refers to the	10:24:21
16	entirety of the forwarding service, not just a	10:24:32
17	forwarding service being provided to a particular	10:24:35
18	client device 114; correct?	10:24:39
19	MS. GALLEHER: Objection. Form.	10:24:41
20	THE WITNESS: So my opinion of paragraph 76	10:24:58
21	is that the user interface Figure 9, Figure 10, shows	10:28:07
22	that the connection to the client-side can be turned	10:28:10
23	on and off, and that's what I identify as the second	10:28:16
24	service policy.	10:28:23
25	Q. Okay. So when you say the connection to	10:28:29

1	the client-side can be turned on and off, what do you	10:28:31
2	mean by that?	10:28:34
3	MS. GALLEHER: Objection. Form.	10:28:37
4	THE WITNESS: What I mean by that is that,	10:28:44
5	in my opinion, Thomas teaches two separate service	10:28:47
6	policy settings. One is the network authorization on	10:28:51
7	the network side, and the other is allowing or	10:28:54
8	disallowing connections on the client device side. I	10:28:59
9	am expressing here in paragraph 76 that the	10:29:06
10	connections -- enabling or disabling connections on	10:29:11
11	the client-side is a second service policy.	10:29:16
12	Q. Okay. Is it your opinion that Thomas	10:29:49
13	discloses a user selectable option for enabling or	10:29:53
14	disabling of the forwarding service?	10:29:57
15	MS. GALLEHER: Objection. Form.	10:29:59
16	THE WITNESS: So in paragraph 76,	10:30:14
17	addressing the claim element 1D12, I address	10:30:16
18	particularly the element of at least assist to obtain	10:30:19
19	through the user interface or user input enabling or	10:30:24
20	disabling the forwarding service. So we can go	10:30:28
21	through the paragraphs there, but essentially I am	10:30:31
22	showing -- I'm explaining that Thomas teaches at	10:30:36
23	least something through user interface to assist in	10:30:39
24	obtaining these user inputs.	10:30:42
25	Q. Okay. Now I want to turn to your ground --	10:30:48

1	MS. GALLEHER: We've been going for about	10:30:53
2	an hour. Do you want to take a quick break?	10:30:55
3	MR. MILKEY: Yeah. This is probably a good	10:30:58
4	time. Let's go off the record.	10:31:00
5	(Recess taken.)	10:31:01
6	Q. Okay. Dr. Lin, could you please turn to	10:40:38
7	paragraph 95 of your declaration and let me know when	10:40:56
8	you're there?	10:40:59
9	A. I am there.	10:41:12
10	Q. Okay. And do you see that this is the	10:41:13
11	beginning of your ground 2 analysis, which is the	10:41:15
12	combination of Thomas and Sewall? I may be	10:41:20
13	mispronouncing that, but do you see that?	10:41:25
14	A. I see that.	10:41:28
15	Q. Then, going to paragraph 118 do you see	10:41:29
16	that this is the beginning of your limitation 1B	10:41:40
17	analysis within ground 2?	10:41:43
18	A. Yes.	10:41:56
19	Q. Okay. And my question is, in the	10:41:57
20	combination of Thomas with Sewall what do you propose	10:42:08
21	would be changed about Thomas' operation with respect	10:42:12
22	to limitation 1B?	10:42:17
23	MS. GALLEHER: Objection. Form.	10:42:20
24	THE WITNESS: I think for all of the claims	10:42:33
25	where I've offered my opinion that Thomas alone	10:42:36

1	anticipates, my opinion remains the same with respect	10:42:40
2	to here as well. The purpose of the combination is	10:42:46
3	two-fold. One is to give additional perspective on	10:42:52
4	how Sewall teaches also the claim elements. So	10:43:02
5	that's the primary reason for my declaration that	10:43:09
6	explains how Sewall addresses these claim elements by	10:43:12
7	providing additional perspective. On some claims	10:43:16
8	like, for example, claim 4, I explained the	10:43:19
9	combination of Thomas and Sewall, which I didn't	10:43:24
10	argue as anticipated in the ground 1.	10:43:28
11	Q. Okay. So for limitation 1B are you	10:43:33
12	proposing that it would be obvious to change the	10:43:37
13	operation of Thomas in a way that would arrive at	10:43:40
14	limitation 1B in view of Sewall, or are you just	10:43:43
15	relying on the individual disclosures of Thomas and	10:43:47
16	Sewall as disclosing limitation 1B?	10:43:50
17	A. I'm relying on --	10:43:53
18	MS. GALLEHER: Objection to form.	10:43:54
19	THE WITNESS: So I'm relying, as I said	10:43:58
20	earlier -- I think with respect to 1B, the Thomas and	10:44:11
21	Sewall provides different perspectives of teachings,	10:44:19
22	different perspective of prior art teaching, the	10:44:23
23	claim element 1B as well as other ones that I just	10:44:26
24	mentioned and, as I said in paragraph 125, I said,	10:44:30
25	"one of skill would recognize that Sewall also	10:44:52

1	discloses 1B."	10:44:55
2	So what I mean by that is both Thomas and	10:44:57
3	Sewall each discloses 1B, offering different	10:45:01
4	perspectives.	10:45:07
5	Q. Okay. So if they both individually	10:45:08
6	describe limitation 1B, how would the combined system	10:45:18
7	operate? Like, the combination of Thomas and Sewall	10:45:25
8	together. How would that combined system operate to	10:45:30
9	satisfy limitation 1B?	10:45:33
10	MS. GALLEHER: Objection. Form.	10:45:37
11	THE WITNESS: So in my analysis, for	10:45:39
12	example, in 1B I think each Thomas and Sewall	10:45:58
13	discloses the -- discloses 1B on their own. I'm	10:46:02
14	looking at the teachings of Thomas and Sewall in my	10:46:08
15	analysis. I think that's really my analysis, is that	10:46:13
16	they both teach 1B.	10:46:18
17	Q. Okay. Do you identify any motivation to	10:46:23
18	change Thomas' operation with respect to limitation	10:46:27
19	1B?	10:46:30
20	MS. GALLEHER: Objection. Form.	10:46:32
21	THE WITNESS: I think my analysis in 1B, as	10:46:33
22	stated in my declaration, each discloses 1B on their	10:46:40
23	own and both discloses or teaches -- disclose or	10:46:44
24	teach 1B.	10:46:52
25	Q. Okay. And then, if we could turn to	10:46:53

1	paragraph 147 of your declaration. Let me know when	10:47:09
2	you're there.	10:47:16
3	A. I am there.	10:47:23
4	Q. Okay. And this is the beginning of your	10:47:25
5	analysis of ground 2 with respect to limitation 1D3	10:47:29
6	which recites, quote, "a second service policy	10:47:33
7	setting."	10:47:37
8	My question is, in the combination of	10:47:37
9	Thomas with Sewall, what do you propose would be	10:47:41
10	changed regarding Thomas' operation with respect to	10:47:46
11	limitation 1D3?	10:47:50
12	MS. GALLEHER: Objection. Form.	10:47:53
13	THE WITNESS: As I explained in	10:48:17
14	paragraph 149 -- back up one moment. Before 149, the	10:48:34
15	paragraphs talk about how Thomas discloses 1D3, and	10:48:43
16	what I'm saying here in paragraph 149 is one of skill	10:48:51
17	would recognize that Sewall also suggests 1D3, and I	10:48:56
18	explain further beforehand about 1D2 as well. I'm	10:49:02
19	saying that Thomas and Sewall both are talking about	10:49:07
20	personal hot spot services or devices. I'm saying in	10:49:11
21	149 that it would have been obvious for Sewall's hot	10:49:16
22	spot device to include a user selectable option to	10:49:19
23	enable the forwarding service just as Thomas	10:49:23
24	discloses.	10:49:25
25	So again, my goal here is to explain that	10:49:27

1	Thomas and Sewall each offer perspective to how the	10:49:34
2	prior art teaches this claim element 1D3. Thomas	10:49:39
3	teaches 1D3 and I'm saying that Sewall offers	10:49:45
4	additional perspective. It suggests 1D3, and a	10:49:49
5	person of skill in the art would make (inaudible)	10:49:56
6	Sewall with these kind of user selectable options	10:50:01
7	that Thomas talks about.	10:50:05
8	Q. Okay. So I'm specifically asking what	10:50:06
9	modifications that you're proposing would be made to	10:50:09
10	Thomas in order to arrive at limitation 1D3. Are you	10:50:12
11	proposing that any changes would be made to Thomas in	10:50:15
12	order to satisfy that limitation or are you just	10:50:19
13	relying on the individual disclosures of Thomas and	10:50:22
14	Sewall?	10:50:27
15	MS. GALLEHER: Objection. Form.	10:50:28
16	THE WITNESS: With respect to the claims	10:50:29
17	that overlap in ground 1, I've already said that	10:50:31
18	Thomas anticipates those claims and claim elements.	10:50:36
19	So here my opinion remains the same, which is with	10:50:40
20	respect to 1D3. Thomas discloses 1D3. I'm saying	10:50:47
21	Sewall offers additional perspective to 1D3. So	10:50:52
22	that's what I'm saying in paragraph 149. I think a	10:50:56
23	shorter answer to your question is that I think	10:51:09
24	Thomas discloses 1D3.	10:51:12
25	Q. Okay. In your analysis of ground 2 do you	10:51:16

1	propose any changes to Thomas that would further	10:51:20
2	arrive at limitation 1D3?	10:51:23
3	MS. GALLEHER: Objection. Form.	10:51:26
4	THE WITNESS: I don't believe so. I think	10:51:29
5	Thomas discloses 1D3.	10:51:32
6	Q. Okay. If we could go back to paragraph 147	10:51:35
7	of your declaration and let me know when you're	10:52:04
8	there. I'm sorry. I'll withdraw that. I have the	10:52:06
9	wrong place. I don't mean to jump you around	10:52:16
10	unnecessarily. If you could please turn to	10:52:19
11	paragraph 79 of your declaration and let me know when	10:52:26
12	you're there. I'm sorry. For context, feel free to	10:52:28
13	verify this, but this is back in ground 1 and the	10:52:33
14	beginning of your analysis with respect to 1D3.	10:52:36
15	A. I'm sorry. Paragraph 79 did you say?	10:52:39
16	Q. Yes. 79. Thank you.	10:52:42
17	A. Okay. Please ask your question.	10:52:58
18	Q. Okay. So my question is regarding the --	10:53:01
19	what you're identifying as, quote, "the second	10:53:14
20	service policy setting in ground 1."	10:53:16
21	How is that second service policy setting	10:53:23
22	changed from off to on in the context of Thomas?	10:53:29
23	MS. GALLEHER: Objection. Form.	10:53:32
24	THE WITNESS: As I explained earlier and as	10:54:13
25	stated in my declaration, paragraph 79, Thomas	10:54:15

1 discloses a user interface as shown in Figure 9 and 10:54:18
2 10 that shows whether a connection is through the 10:54:22
3 client-side on or off, and what the active 10:54:28
4 connections are. I think the fact that there's a 10:54:31
5 user interface meets the limitation of at least 10:54:37
6 assisting or enabling or disabling the forwarding 10:54:43
7 service. That's a high level answer. 10:54:47

8 Q. Okay. I'm going to object again as 10:54:50
9 non-responsive. My question is I think slightly 10:54:52
10 different, which is, how does Thomas' wireless device 10:54:56
11 110 change its, quote, "second service policy 10:55:05
12 setting," unquote, from off to on? 10:55:10

13 MS. GALLEHER: Objection. Form. Asked and 10:55:14
14 answered. 10:55:15

15 THE WITNESS: So in paragraph 79 I said 10:55:20
16 that the user interface clearly shows that the 10:56:44
17 setting for the forwarding service is on or off, and 10:56:51
18 it's the user interface -- the example shown the 10:56:56
19 forwarding service is on. Because it's a user 10:57:02
20 interface, the user device provides at least a way to 10:57:04
21 assist in enabling and disabling of the forwarding 10:57:08
22 service by turning the forwarding service on or off. 10:57:11

23 Q. Okay. And specifically what is the way 10:57:16
24 that the user assists in enabling the forwarding 10:57:18
25 service by turning the forwarding service on? 10:57:27

1	MS. GALLEHER: Objection. Form.	10:57:31
2	THE WITNESS: I think there are two points.	10:57:53
3	One is that Thomas teaches the user interface, and	10:57:55
4	the interface is displaying the settings. So I	10:58:02
5	presume inherently to understand that the user	10:58:08
6	interface displaying something can be modified, and	10:58:10
7	so at least Thomas is teaching that these user	10:58:14
8	interfaces assist in enabling and disabling the	10:58:19
9	service. I did say further in paragraph 80 that, for	10:58:22
10	instance, Thomas discloses that to enable the	10:58:27
11	forwarding service, the user can start the client	10:58:30
12	application.	10:58:46
13	Q. Okay. So I think I understand your answer	10:58:48
14	with respect to starting the client application. I	10:58:53
15	want to address something you just said just before	10:58:57
16	that, which is that if a user interface is displaying	10:58:59
17	something, then it can be modified. Is it your	10:59:04
18	opinion that, for example, all of the information	10:59:07
19	shown in Figure 9 of Thomas can be modified by the	10:59:09
20	user?	10:59:23
21	MS. GALLEHER: Objection. Form.	10:59:23
22	THE WITNESS: I think the particular way	10:59:31
23	I've characterized it in paragraph 80 is that -- so	11:00:21
24	in paragraph 79 I talk about how the setting can be	11:00:24
25	on or off, which is shown in the user interface in	11:00:30

1	Figure 9 and 10, and the first sentence of 80 I talk	11:00:34
2	about how the user device may modify the second	11:00:40
3	policy setting to at least assist in enabling and	11:00:43
4	disabling the forwarding service by turning the	11:00:47
5	service on and off. In other words, I think I'm	11:00:49
6	saying that the user device 110 -- if the user device	11:00:54
7	110 is able to show a user interface whether	11:01:01
8	something is on or off, it has to at least enable the	11:01:05
9	turning of on and off in order to display whether	11:01:14
10	it's on or off. Does that make sense? In other	11:01:17
11	words, a user device 110 cannot display on or off if	11:01:20
12	there's no way to set it as on or off.	11:01:25
13	Q. I think I understand what you're saying.	11:01:30
14	It frankly doesn't make very much sense to me. For	11:01:31
15	example, I -- my laptop connects to the Internet	11:01:36
16	through spectrum; right? My laptop may inform me	11:01:42
17	that there's a spectrum outage. So my Internet	11:01:47
18	service is off and there may be a user interface that	11:01:51
19	informs me that my Internet service is off. That	11:01:55
20	doesn't mean that I have the capability to turn it on	11:01:58
21	if the outage is on the spectrum side of things. So	11:02:01
22	I'm a little confused what you mean by the fact that	11:02:05
23	a user interface is displaying a piece of data means	11:02:08
24	that the user inherently has the ability to modify	11:02:11
25	that setting. Can you elaborate on that a bit?	11:02:21

1	MS. GALLEHER: Objection. Form.	11:02:24
2	THE WITNESS: So there are several things I	11:02:25
3	pointed to. In paragraph 78 I talk about Thomas	11:04:23
4	teaching about user input to enable and disable	11:04:31
5	forwarding service on an individual user-by-user	11:04:36
6	basis. That means that each individual client 114	11:04:39
7	may or may not be allowed to -- may or may not be	11:04:44
8	allowed to forward packets to the device 110. I cite	11:04:47
9	to paragraph 44 to 46 in Thomas, and the paragraphs	11:04:52
10	44 through 46 talk specifically about how the	11:04:59
11	wireless device 110 is provided with a user interface	11:05:03
12	to allow or disallow a connection by the computing	11:05:07
13	device.	11:05:09
14	So that's sort of one disclosure where	11:05:10
15	Thomas talks about a user interface as allowing	11:05:14
16	connections on an individual basis, and there are	11:05:18
17	other -- yeah. So that's one example.	11:05:23
18	Q. Okay. But the on or off setting displayed	11:05:29
19	in figures 9 and 10 of Thomas doesn't refer to an	11:05:32
20	individual connection being on or off. It's	11:05:38
21	regarding the forwarding service as a whole; right?	11:05:40
22	MS. GALLEHER: Objection. Form.	11:05:42
23	THE WITNESS: Yes. I believe that Thomas	11:05:43
24	on the on and off is teaching whether to allow	11:05:50
25	connections on the client-side or not allow	11:05:53

1	connections on this client-side.	11:05:55
2	Q. In paragraph 80 of your declaration you	11:06:07
3	state that one way to enable the forwarding service	11:06:10
4	is that the user of the wireless device 110 starts	11:06:12
5	the client access application 312; correct?	11:06:15
6	A. Yes, correct.	11:06:20
7	Q. Okay. Do you identify any other ways that	11:06:22
8	the user can enable the forwarding service in your	11:06:27
9	section beginning on paragraph 79 of your	11:06:32
10	declaration?	11:06:37
11	MS. GALLEHER: Objection. Form.	11:06:37
12	THE WITNESS: Yes. Like I said,	11:06:48
13	paragraph 80 cites to one set of ways to set the	11:06:50
14	service on and off. Paragraph 78 talks about turning	11:06:57
15	it on and off on an individual connection basis.	11:07:04
16	Q. Okay. In your section starting on	11:07:08
17	paragraph 79 of your declaration, which relates to	11:07:20
18	the, quote, "second service policy setting	11:07:24
19	limitation," do you identify any ways that the user	11:07:33
20	can enable the forwarding service other than by	11:07:39
21	starting the client access application 312?	11:07:50
22	MS. GALLEHER: Objection. Form.	11:07:54
23	THE WITNESS: I think my opinion in	11:07:56
24	paragraph 80 is what is stated in paragraph 80, which	11:08:06
25	talks about starting the client application 312. I	11:08:09

1 want to refer back again to 78 where I talk about 11:08:14
2 passages from Thomas that talks explicitly about 11:08:19
3 providing with the user interface to allow or 11:08:24
4 disallow access to a connection. I think a POSITA 11:08:27
5 reading this would understand that with respect to 11:08:30
6 the second policy setting of allowing or disallowing 11:08:35
7 connections to the client-side, such a user interface 11:08:38
8 is provided. 11:08:43

9 Q. Okay. And is an individual connection to a 11:08:44
10 client-side device, is that the second service policy 11:08:48
11 setting that you've identified in paragraph 79 11:08:56
12 through 81 of your declaration? 11:09:00

13 MS. GALLEHER: Objection. Form. 11:09:03

14 THE WITNESS: I have identified as the 11:09:06
15 second service policy setting the allowance or 11:09:08
16 disallowance or enable or disable connections from 11:09:13
17 the client-side. That's what I've identified as the 11:09:19
18 second service policy. I think the individual 11:09:21
19 connections provides a variant of the same second 11:09:25
20 service policy. 11:09:28

21 Q. Okay. And where do you identify that as a 11:09:30
22 variant of the same service policy in your 11:09:43
23 paragraph 79 through 81 of your declaration? 11:09:46

24 MS. GALLEHER: Objection. Form. 11:09:50

25 THE WITNESS: I didn't state that in 11:09:51

1	paragraph 79 to 81 if you're citing to the specific	11:09:58
2	paragraphs. I am just saying that as part of my	11:10:03
3	analysis and explanation, I explained in paragraph 78	11:10:06
4	that the allowing or not allowing or enabling or	11:10:09
5	disabling, Thomas teaches that this can be done at	11:10:17
6	the individual device or user basis. And I cited to	11:10:19
7	paragraphs within Thomas that discloses a user	11:10:27
8	interface to provide this -- discloses a user	11:10:32
9	interface for the user to specify whether something	11:10:37
10	is allowed or disallowed.	11:10:40
11	Q. Okay. In paragraph 79 through 81 of your	11:10:44
12	declaration, what examples -- actually, strike that.	11:10:48
13	In paragraph 80 of your declaration you state that to	11:11:00
14	"disable the forwarding service, the user of the	11:11:03
15	wireless device 110 stops the client access	11:11:06
16	application 312."	11:11:08
17	Do you see that?	11:11:10
18	A. I see that. The beginning of that sentence	11:11:10
19	says, for instance.	11:11:14
20	Q. Right. And then, do you identify any other	11:11:15
21	examples of how the user can disable the forwarding	11:11:21
22	service in your paragraphs 79 through 81?	11:11:25
23	MS. GALLEHER: Objection. Form.	11:11:27
24	THE WITNESS: And again, as I stated,	11:11:28
25	paragraph 79 through 81, if you look at just the	11:11:32

1	corners of those paragraphs it says what it says. I	11:11:34
2	pointed out in paragraph 78, which is not the	11:11:43
3	paragraph you're asking about, I talk about allowing	11:11:45
4	or disallowing individual users that Thomas	11:11:47
5	discloses.	11:11:51
6	Q. Okay. To the extent you're talking about	11:11:55
7	paragraph 78 I'll object as non-responsive.	11:11:57
8	MS. GALLEHER: Counsel, Dr. Lin is	11:12:01
9	answering the question as best as he can.	11:12:03
10	MR. MILKEY: My question was very clear,	11:12:06
11	counsel.	11:12:09
12	Q. In paragraph 80, Dr. Lin, would you agree	11:12:14
13	that after the user of the wireless device 110 stops	11:12:22
14	the client access application 312, the wireless	11:12:29
15	device will send a stop message to server 108, which	11:12:35
16	will return a stop message to wireless device 110,	11:12:42
17	which will then terminate the session, changing the	11:12:47
18	second service policy setting to off?	11:12:51
19	MS. GALLEHER: Objection to form.	11:12:53
20	THE WITNESS: I believe you read the	11:12:55
21	sentences correctly.	11:12:58
22	Q. Okay. And when the session is terminated	11:13:00
23	would you understand that the device would no longer	11:13:07
24	be authorized to provide forwarding service at that	11:13:13
25	point?	11:13:19

1	MS. GALLEHER: Objection. Form.	11:13:19
2	Q. Let me ask that slightly more precisely	11:13:31
3	because I think device was unclear. When the session	11:13:34
4	is terminated in that matter would you understand	11:13:36
5	that the wireless device 110 would no longer be	11:13:39
6	authorized to provide network forwarding service at	11:13:41
7	that point?	11:13:44
8	MS. GALLEHER: Objection. Form.	11:13:45
9	THE WITNESS: So I will answer your	11:13:46
10	question but I do want to say, again, whether or not	11:13:52
11	I talked about the individual connections in	11:14:00
12	paragraph 79 to 81, it is my opinion that a variant	11:14:04
13	of the second service policy is to apply to	11:14:12
14	individual connections. As I stated earlier, Thomas,	11:14:19
15	in discussion with respect to these individual user	11:14:26
16	cases, explicitly talks about a user interface to	11:14:28
17	enable the user to make these settings. With respect	11:14:31
18	to your question in 79 to 81, or particularly 80,	11:14:36
19	give me a moment.	11:14:42
20	Q. I'll object as non-responsive.	11:14:46
21	MS. GALLEHER: Dr. Lin has answered the	11:14:48
22	question.	11:14:52
23	MR. MILKEY: He may be now but he didn't	11:14:52
24	previously.	11:14:54
25	Q. Again, for the record my question is, when	11:15:06

1 the session is terminated in the manner that you 11:15:10
2 describe at the end of your paragraph 80, would you 11:15:13
3 understand that the wireless device 110 would no 11:15:15
4 longer be authorized to provide network forwarding 11:15:18
5 service at that point? 11:15:20

6 MS. GALLEHER: Objection. Form. 11:15:22

7 THE WITNESS: So in paragraph 80 I did 11:15:24
8 express the opinion that the user of wireless device 11:18:24
9 110 stops the client access application 312, and this 11:18:29
10 will result in the device sending a stop message to 11:18:33
11 the server and the server terminating the session. I 11:18:36
12 did express that opinion in paragraph 80. 11:18:41

13 Q. Okay. And you expressed the opinion in 11:18:54
14 paragraph 80 that after the session is terminated the 11:18:57
15 wireless device 110 would no longer be authorized to 11:19:06
16 provide network forwarding service? 11:19:09

17 MS. GALLEHER: Objection. Form. 11:19:11

18 THE WITNESS: So I stated here that the 11:19:15
19 session would terminate. I'm not sure that I've 11:19:46
20 expressed an opinion one way or another whether the 11:19:50
21 authorization ends. So that's my answer. As I said 11:19:53
22 earlier, in paragraph 78 there's a separate set of 11:19:57
23 user interface that allows the individual connections 11:20:00
24 to be enabled or disabled while the network side 11:20:04
25 remains authorized. 11:20:09

1	Q. Okay. I'm going to object as	11:20:12
2	non-responsive again to the paragraph 78 statement	11:20:13
3	and, frankly, this is becoming a bit ridiculous at	11:20:18
4	this point.	11:20:27
5	MS. GALLEHER: Dr. Lin is answering the	11:20:27
6	question. He answered that question clearly.	11:20:29
7	MR. MILKEY: Yeah. He said that's my	11:20:32
8	answer. Then, he continued on to talk about	11:20:33
9	something completely different. I agree he answered	11:20:36
10	the question clearly and then continued on.	11:20:38
11	Q. So Dr. Lin, do you have an opinion as to	11:20:51
12	whether -- strike that. Sitting here today, do you	11:20:54
13	have an opinion as to whether after the session is	11:21:00
14	terminated as is described at the end of your	11:21:03
15	paragraph 80 of your declaration, that the wireless	11:21:07
16	device 110 would no longer be authorized to provide	11:21:15
17	network forwarding service?	11:21:18
18	MS. GALLEHER: Objection. Form. Asked and	11:21:20
19	answered.	11:21:21
20	THE WITNESS: So in my review of Thomas,	11:21:22
21	what Thomas actually said, Thomas actually said that	11:23:43
22	when the wireless device stops the client access	11:23:54
23	application 312, the device sends a stop message	11:24:00
24	server and the server sends a response message to the	11:24:06
25	wireless device to terminate the session. It's	11:24:10

1	terminating the forwarding session. I'm looking over	11:24:13
2	Thomas again and I don't see it explicitly say	11:24:16
3	whether or not the authorization has been revoked,	11:24:19
4	but it clearly says that the session is terminated.	11:24:22
5	Q. Okay. So do you have an opinion as to	11:24:29
6	whether when the session has been terminated the	11:24:32
7	authorization would be revoked?	11:24:35
8	MS. GALLEHER: Objection. Form. This has	11:24:37
9	been asked and answered.	11:24:40
10	THE WITNESS: As I'm sitting here today,	11:24:40
11	I'm not sure I have further to add to what I just	11:24:45
12	said.	11:24:48
13	Q. Okay. Do you have any opinion whether the	11:24:48
14	on message in Figure 9 could ever be displayed	11:25:05
15	simultaneously with wireless device 110 being not	11:25:13
16	authorized to provide a network forwarding service?	11:25:24
17	MS. GALLEHER: Objection. Form.	11:25:28
18	THE WITNESS: Can you ask the question one	11:25:29
19	more time?	11:25:32
20	Q. Yeah. I'll try to clarify it a little bit.	11:25:33
21	Is it possible for these following two things to be	11:25:36
22	simultaneously true? The on message in Figure 9 is	11:25:40
23	displayed at the same time that wireless device 110	11:25:47
24	is not authorized to provide a network forwarding	11:25:53
25	service?	11:25:57

1	MS. GALLEHER: Objection. Form.	11:25:58
2	THE WITNESS: My opinion is that the on on	11:26:00
3	Figure 9 and 10 are related to whether -- my opinion	11:26:32
4	is that Figure 9 and 10 shows whether the connections	11:26:52
5	to the client device side is enabled or disabled.	11:26:54
6	That's what I believe Figure 9 and 10 are showing. I	11:27:01
7	think that's regardless of whether or not at the same	11:27:07
8	time there's an authorization on the network side.	11:27:10
9	Does that answer your question?	11:27:18
10	Q. I think so. I'm not quite sure the basis	11:27:20
11	for the answer but I'll -- we'll get into that. So	11:27:23
12	first, my question is what's your basis for saying	11:27:30
13	that figures 9 and 10 -- the on message on figures 9	11:27:32
14	and 10 relates to whether the connections to the	11:27:39
15	client device side are enabled or disabled as opposed	11:27:45
16	to whether or not client application 312 is active?	11:27:50
17	MS. GALLEHER: Objection. Form.	11:28:00
18	THE WITNESS: It's my opinion that a POSITA	11:28:09
19	reading the passages related to Figure 9 and 10 would	11:28:44
20	read the passages as indicating that this is all	11:28:50
21	status information with respect to the client-side	11:28:54
22	connections, and so it's my opinion that these user	11:28:58
23	interfaces are showing or teaching the status	11:29:04
24	information connection side, and so that's why I	11:29:14
25	believe and my opinion is that these user interfaces	11:29:17

1	are showing the client-side connections, which is	11:29:21
2	what I'm identifying as the second service policy. I	11:29:25
3	do not believe that these user interfaces are showing	11:29:28
4	the network nature -- the network authorization side.	11:29:31
5	Q. Okay. Where does Thomas actually disclose	11:29:41
6	this field 902, for example, in Figure 9 is not	11:29:45
7	disclosing the network authorization side?	11:29:50
8	MS. GALLEHER: Objection. Form.	11:29:56
9	THE WITNESS: So it is my opinion when I	11:29:58
10	read paragraph 76 and 77 through the lens of a POSITA	11:30:03
11	at the time, that's how my -- my opinion is that's	11:30:10
12	how a POSITA would have read it.	11:30:14
13	Q. Okay. But is Thomas explicit in that	11:30:16
14	regard or is that your interpretation of Thomas?	11:30:19
15	MS. GALLEHER: Objection. Form.	11:30:24
16	THE WITNESS: My opinion is that that's how	11:30:27
17	a POSITA at the time would have read it.	11:30:29
18	Q. Okay. And my next question is, is it	11:30:31
19	possible for field 902 in Figure 9 to be on at the	11:30:49
20	same time that the wireless device 110 is not	11:31:04
21	authorized to provide network forwarding service?	11:31:13
22	MS. GALLEHER: Objection. Form.	11:31:17
23	THE WITNESS: So I don't believe I've	11:31:30
24	offered an opinion to the specific question that you	11:31:33
25	just asked in paragraph 79 through 81. So my opinion	11:31:38

1	is, as I just stated, a person of ordinary skill in	11:31:45
2	the art reading paragraph 76 and 77 of Thomas would	11:31:52
3	have understood that the user interface is showing	11:31:57
4	status information with respect to the client-side.	11:32:01
5	So my opinion is that Thomas teaches this second	11:32:04
6	service policy of enabling or disabling the	11:32:08
7	forwarding service to the device side.	11:32:11
8	Q. Okay. And is it possible for the field in	11:32:17
9	-- strike that. Is it possible for field 902 in	11:32:26
10	Figure 9 to be off at the same time that the wireless	11:32:31
11	device 110 is authorized to provide a network	11:32:36
12	forwarding service?	11:32:41
13	MS. GALLEHER: Objection. Form.	11:32:42
14	THE WITNESS: I believe my opinion is that	11:32:43
15	that can happen.	11:32:48
16	Q. Okay. You believe your opinion is that	11:32:53
17	that can happen or is that is your opinion?	11:32:55
18	MS. GALLEHER: Objection. Form.	11:32:58
19	THE WITNESS: My opinion in paragraph 80 is	11:32:59
20	the enabling or disabling of the forwarding service	11:33:35
21	on the client-side is separate from the authorization	11:33:37
22	to the network side. And so from that perspective,	11:33:42
23	my opinion is that they're separate and I don't think	11:33:46
24	I've explicitly expressed an opinion as to what you	11:33:49
25	just asked. Being separate, I think it should be --	11:33:54

1	my opinion is that it's possible to set whether 4D	11:33:58
2	service to the client is on or off separate from	11:34:08
3	whether there's network authorization or not.	11:34:11
4	Q. Does Thomas ever disclose such a scenario	11:34:14
5	actually happening?	11:34:18
6	MS. GALLEHER: Objection. Form.	11:34:19
7	THE WITNESS: In this particular paragraph	11:34:21
8	I cited to paragraph 76 and 77, and at least within	11:34:45
9	the corners of these paragraphs -- well, I cited to	11:34:51
10	76 and 77. As I said, I think a POSITA -- my opinion	11:34:57
11	is that a POSITA at the time would read 76 and 77 --	11:35:02
12	paragraphs 76 and 77 as it relates to the -- whether	11:35:08
13	connections are allowed or disallowed on the	11:35:16
14	client-side. My opinion is that's how a POSITA would	11:35:19
15	have read it.	11:35:22
16	Q. Okay. Are you able to identify any	11:35:23
17	explicit disclosure in paragraph 76 or 77 that it's	11:35:34
18	possible for field 902 and Figure 9 to be off at the	11:35:43
19	same time that the wireless device 110 is authorized	11:35:48
20	to provide a network forwarding service?	11:35:53
21	MS. GALLEHER: Objection. Form.	11:35:54
22	THE WITNESS: I don't believe that I've	11:36:02
23	offered an opinion to your specific question in my	11:36:04
24	declaration. In response to, I think, your question	11:36:07
25	is whether connections to the client can be on but	11:36:27

1	the authorization of the network is not allowed. Is	11:36:29
2	that your question?	11:36:32
3	Q. Yeah. I believe you answered that question	11:36:39
4	just now, but let me know if that -- if you	11:36:42
5	misunderstood the question. I think that we're on	11:36:46
6	the same page there.	11:36:49
7	A. Okay. Please proceed. We're coming up to	11:37:03
8	the hour.	11:37:20
9	Q. Yeah. I think I'm going to be finishing up	11:37:21
10	this line very shortly. Just give me one second,	11:37:26
11	please.	11:37:29
12	Dr. Lin, have you spoken with your counsel	11:38:12
13	at all today other than interactions on the record	11:38:14
14	since the deposition began?	11:38:20
15	A. No.	11:38:21
16	Q. Okay. I will pass the witness.	11:38:22
17	MS. GALLEHER: Thank you. I think we'll	11:38:47
18	just take a short break of about five minutes.	11:38:48
19	MR. MILKEY: Okay.	11:38:51
20	(Recess taken.)	11:38:52
21	MS. GALLEHER: We have no further	11:43:38
22	questions. Thank you for your time this afternoon.	11:43:39
23	MR. MILKEY: Okay. Thank you so much,	11:43:42
24	everyone. I appreciate the flexibility on -- well, I	11:43:44
25	guess we rescheduled, but thank you for the	11:43:48

1 flexibility on your end. I know that we had to make
2 adjustments as well. Thank you.

11:43:51

11:43:54

3 (Proceedings concluded at 11:43 A.M.)

11:43:56

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1 CERTIFICATE OF SHORTHAND REPORTER - NOTARY PUBLIC
2
3 I, MICHAEL CAGLIATA, Certified Reporter and
4 Notary Public within and for the State of CALIFORNIA
Do hereby certify:
5 That DR. BILL LIN, the witness whose deposition is
6 hereinbefore set forth, was duly sworn by me before
7 the commencement of such deposition and that such
8 deposition was taken before me and is a true record
of the testimony given by such witness.
9 I further certify that the adverse party,
10 HEADWATER RESEARCH, LLC, was represented by counsel
at the deposition.
11 I further certify that the deposition of
12 DR. BILL LIN, occurred remotely, 07/07/26, commencing
at 8:03 A.M. to 11:43 A.M.
13 I further certify that I am not related to any of the
14 parties to this action by blood or marriage, I am not
15 employed by or an attorney to any of the parties to
16 this action, and that I am in no way interested,
17 financially or otherwise, in the outcome
Of this matter.
18 IN WITNESS WHEREOF, I have hereunto set my
19 Hand this 7TH day of JULY, 2026.
20 NOTARY PUBLIC IN AND FOR THE STATE OF CALIFORNIA
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M. Cagliata

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