

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

ROKU, INC.,	)	
	)	
Petitioner,	)	Case No.:
	)	IPR2023-00782
vs.	)	
	)	Patent No.:
ECOLINK INTELLIGENT	)	10,692,340
TECHNOLOGY, INC.,	)	
	)	
Patent Owner.	)	
	)	

The virtual deposition of JAMES
PARKER, taken before Diane J. Corona, CSR, License
No. 084-00257, via Zoom, on Wednesday,
April 10, 2024, at the hour of 9:30 a.m., CT.

Magna Legal Services Company
866.624.6221
www.MagnaLS.com, by:
Diane J. Corona, CSR

Roku Exhibit 1012
Roku v. Ecolink
IPR2023-00782

1 APPEARANCES: (All appeared via Zoom.)
2 WOLF, GREENFIELD & SACKS, P.C.
3 601 Massachusetts Avenue NW
4 Washington, DC 20001
5 Smckeown@wolfgreenfield.com, by:
6 SCOTT A. MCKEOWN, ESQ.,
7 appeared on behalf of the Petitioner;
8 GREENBERG TRAUIG LLP
9 77 West Wacker Drive, Suite 3100
10 Chicago, Illinois 60601
11 312.456.1038
12 Lukasj@gtlaw.com, by:
13 JAMES J. LUKAS, JR., ESQ.,
14
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21
22
23
24
appeared on behalf of the Patent Owner.

* * * * *

I N D E X

THE WITNESS: JAMES PARKER

EXAMINATION BY:

PAGE

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MR. McKEOWN

MR. LUKAS

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MR. McKEOWN

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EXHIBITS

DESCRIPTION

PAGE

Econolink

Declaration of James Parker

5

Exhibit 2003

Roku Exhibit

Patent

6

1001

US 10,692,340 B2

(Exhibits retained by Counsel)

1 (Witness sworn.)

2 MR. McKEOWN: Good morning, Mr. Parker.

3 My name is Scott McKeown and I represent Roku,
4 Incorporated in certain matters before the Patent
5 Trial and Appeal Board.

6 Before we get started, why don't
7 we enter appearances from counsel on your side.

8 MR. LUKAS: Sure. James Lukas on behalf
9 of the patent owner, Ecolink Intelligent
10 Technologies, Incorporated and the witness, Mr. James
11 Parker.

12 MR. McKEOWN: Thank you. I should also
13 mention I'm with the firm of Wolf, Greenfield & Sacks
14 and we represent Roku in IPR2023-00792 and we will be
15 discussing a declaration you submitted in that
16 proceeding.

17 JAMES PARKER,
18 having been first duly sworn, was examined and
19 testified as follows:

20 E X A M I N A T I O N

21 BY MR. McKEOWN:

22 Q I understand you have a paper copy of
23 that declaration handy; is that correct?

24 A Yes, it is.

1 Q And that should be labeled with an
2 exhibit number at the bottom. Can you just confirm
3 that exhibit number?

4 A I don't think it's got it.

5 MR. LUKAS: I think that version
6 doesn't. Take that, this one has it.

7 THE WITNESS: The only problem, it's
8 double-sided.

9 MR. LUKAS: Well, you have both now.

10 THE WITNESS: It's 2003.

11 (Econolink Exhibit 2003
12 referenced.)

13 BY MR. McKEOWN:

14 Q Okay. That's the exhibit I'm talking
15 about. I just want to make sure we are on the same
16 page.

17 Before we get started, do you
18 have any changes or alterations to the declaration
19 you'd like to make outside of typographical errors?

20 A No. But the copy I was handed with
21 the exhibit number on the bottom is double-sided,
22 and I prefer to work with the single-sided copy.
23 It's the same document, front face is all the same
24 it just don't have the exhibit number on it.

1 Q Okay. That's fine by me as long as
2 the content is the same.

3 A I just prefer to only work with
4 single-sided paper.

5 Q Okay. Yeah, I'm with you on that.

6 I know you've been deposed
7 before. So just briefly, try to answer my questions
8 verbally, right, head shakes and things like that
9 don't make it to the transcript. If you need a
10 break for any reason, let me know. As long as it's
11 not sort of mid -- as long as there's not a question
12 -- an open question, I'm happy to accommodate that.

13 So you have -- I think, all
14 I'll be talking about today is the declaration and
15 the patent itself, so you want to get those handy.
16 Maybe we will jump into the patent, and let's
17 confirm we have the right one. Is there an exhibit
18 number on that document as well?

19 (Roku Exhibit 1001
20 referenced.)

21 MR. LUKAS: I can say there is not. I
22 apologize, I printed it out online. So I apologize.
23 It is -- you can ask him to give you the number.

24 THE WITNESS: US 10,692,340 B2.

1 BY MR. McKEOWN:

2 Q Okay. Sounds like the right patent.
3 As long as we just have the right document it makes
4 no difference to me if it has the exhibit stamp on
5 it, just so the record is clear.

6 If you want to take a second to
7 refamiliarize yourself with that patent,
8 particularly Figure 1 and any corresponding
9 description of that or portion of the patent that
10 you might want to read to talk about Figure 1, why
11 don't you take a look at that and just let me know
12 when you're ready.

13 A I guess we're not going to use the
14 monitor? We will just work off the paper today, is
15 that the idea?

16 Q Yep, that works for me unless you
17 would like otherwise.

18 A No, I'm fine with that.

19 Q Okay.

20 (Witness reading.)

21 THE WITNESS: Okay. I'm ready.

22 BY MR. McKEOWN:

23 Q Can you explain to me at a high level
24 what's illustrated on Figure 1?

1 MR. LUKAS: Objection; form.

2 THE WITNESS: It looks like a typical
3 security system used in homes and maybe small
4 commercial establishments.

5 BY MR. McKEOWN:

6 Q And what makes it typical?

7 A It has a central security processor
8 and input devices that connect to it, and it
9 communicates out to an alarm monitoring station or
10 communicates out to authorities.

11 Q So using the reference numbers on the
12 page there, can you walk me through those numbers?

13 MR. LUKAS: Objection; form.

14 THE WITNESS: 100 is a door assembly.
15 102 is a window assembly. 104 is a barrier alarm
16 device associated with the door and 106 is a barrier
17 alarm device associated with the window. 108 is a
18 magnet associated with the barrier alarm device, 104,
19 mounted to door 112. 110 is a reed switch assembly
20 mounted to the door frame. The door frame is 114.
21 While barrier alarm device 106 comprises a
22 magnet-less type sensor. 116 is the central security
23 panel.

24 Can I check these off as I go?

1 BY MR. McKEOWN:

2 Q Sure.

3 A I believe I said 114 was the door
4 frame. I'm just double-checking.

5 Q You did.

6 A 124 is the off-site remote monitoring
7 station via communication network 122. 118 is the
8 keypad remote user interface.

9 So in the description of Figure
10 1 I'm unable to find a reference to 134. I know
11 what it is, it's a wireless chime because it's
12 indicated in the diagram. And I know exactly what
13 that is in a security system, I'm just not actually
14 able to find it in the description of Figure 1. It
15 might be referenced later on.

16 Q Okay.

17 A Do you want me to continue searching
18 for it?

19 Q No, that's not necessary. You can
20 continue on.

21 A Sorry, I don't think I checked off
22 126. Maybe I did. I think that's the wireless
23 network.

24 So I can't find the reference

1 to 126, but in the context of the figure it's the
2 local wireless network for the devices to
3 communicate to the central -- to device 116, the
4 central receiver, central security receiver I think
5 it's called. Central security panel 116, that's
6 the terminology.

7 Q I don't think you mentioned 128
8 through 132 either.

9 A Yeah, sorry.

10 (Witness reading.)

11 A 128 is a camera. 130 is a doorbell
12 camera. 132 is a doorbell button.

13 THE WITNESS: And I gave myself a nasty
14 paper cut. Could I have a short break to put a
15 Band-Aid on it?

16 MR. McKEOWN: Sure, no problem.

17 (After a brief recess, the
18 proceedings continued as
19 follows:)

20 BY MR. McKEOWN:

21 Q Welcome back, Mr. Parker. Did you
22 have any discussions with anyone during the break
23 about your testimony here today?

24 A No, I did not.

1 Q Prior to the break we were talking
2 about Figure 1, and you had identified element 116
3 as a central security panel; is that correct?

4 A Yes, that's correct.

5 Q Element 116 has some graphical
6 illustration inside of that box. It looks to it be
7 three columns of upright rectangles. Do you see
8 that?

9 A Yes, I do.

10 Q What is that illustrating to you?

11 A So this reminds me of an alarm control
12 panel that I designed that is a combination alarm
13 control panel and user interface. And so those
14 represent buttons. Presumably it's also a speaker
15 grill down there. The oval thing with the dots and
16 the square I would presume to be some form of
17 screen.

18 Q And what functionality would the
19 buttons provide, if any?

20 A Typically they would be numerical for
21 entering a code. And also because there's 12
22 buttons there, there would be also a command or
23 execute or select and cancel because there's --
24 yeah, ten digits and two other keys.

1 Q And I think you also identified
2 element 118 as a keypad; is that correct?

3 A That is correct.

4 Q What functionality, if any, is keypad
5 118 providing?

6 A I would expect -- it's a user
7 interface. It would typically have a keypad and
8 some form of display, not necessarily a screen, but
9 at least LEDs, and it's for allowing the user to
10 interface with the system.

11 Q And is that keypad, 118, mounted
12 somewhere within the premises?

13 A Typically, yes. It's mounted within
14 the premises, typically near an entry point like a
15 front door or garage door. Sometimes it could be
16 mounted in an upstairs bedroom. Wherever it's
17 convenient for the user to access it.

18 Q Is keypad 118 something a user might
19 carry?

20 MR. LUKAS: Objection; form.

21 THE WITNESS: No, it's not. At least --
22 give me a moment, I want to make sure.

23 "Keypad 118 is a remote user interface,
24 wired or wirelessly coupled to central

1 security panel 114. Keypad 118 may be
2 conveniently located near an entry door
3 and used to arm and disarm the security
4 system, and display status information
5 to the user. It is also generally used
6 to allow a user to cancel an alarm,
7 preventing a security response from
8 being initiated." Such as -- I will
9 stop there.

10 You asked me a question is it something
11 a user would carry. My answer is no, typically not.

12 BY MR. McKEOWN:

13 Q And where were you reading from?

14 A I was reading from 5, lines 65 to
15 lines -- to 6, 3.

16 Q Going back to Figure 1. Can you walk
17 me through the functionality of the system in
18 operation?

19 A Yes, I can. I mean, how detailed do
20 you want me to be?

21 Q As detailed as you want to be.

22 A Okay. 122 is the communications
23 network to 124. 124 being the external central
24 monitoring station typically responsible for

1 dispatching authorities.

2 116 is the central control
3 panel, so-called brains of the system. 118 is an
4 auxiliary keypad that allows the user to control
5 interface with the system through 118 or through
6 the buttons and screen on 116. 134 is a wireless
7 chime typically to give an audible annunciation to
8 the user for various events. 126 is a wireless
9 local -- local communications network that is
10 typically wireless, although can be hard wired.

11 102 is a window with 106 being
12 a, I believe, a magnetic contact on it. So when
13 the window is opened a status signal is sent from
14 106 through the wireless network to the -- to 116,
15 the central security panel. Similarly, the door
16 has a sensor on it, 110 -- actually, 110 and 108,
17 one is a magnet and the other is a sensor. Let me
18 confirm which one is which.

19 Magnet is 108 and the reed
20 switch assembly is 110.

21 So now I've identified -- oh,
22 and as mentioned earlier, 128, 132 and 130 are
23 components of a camera system, front door camera
24 and a push button to ring the bell or to initiate a

1 signal. 112 is the door itself.

2 All right. So the user would
3 put the system in -- what armed the system
4 typically in one of two modes. The way arming,
5 everything is active.

6 It's not showing here if there
7 are any interior motion detectors. But in a system
8 that doesn't contain interior motion detectors
9 it's -- when it's armed, the perimeter is armed,
10 that's typically referred to as armed in home mode
11 so that the user may move about within the
12 facility.

13 Now, sorry, I will refer to my
14 declaration and the patent to make sure what I say
15 next.

16 The barrier detection devices,
17 which are 108, 110 and 106. If the barrier is
18 broken -- if the barrier is broken like as in a
19 window or a door was opened, the barrier detection
20 device will send a status signal to the central
21 security panel. Let me rephrase that.

22 It will send a first alarm
23 signal to the security panel or a timed alarm
24 signal.

1 If the human detection devices,
2 which are components of 128 through -- well, the
3 camera I guess is in 132 configured for human
4 detection. If it detects human activity, it sends
5 a status signal to the central security panel. If
6 it is received within a predetermined time, an
7 immediate alarm is not generated and the user has a
8 predetermined amount of time to go over to the
9 keypad and enter their code to cancel a security
10 response.

11 That's -- my response is
12 complete.

13 Q Can you explain what you mean by
14 status signal?

15 A A status signal is a signal that
16 indicates the state of a sensor or peripheral
17 device.

18 Q And in Figure 1, which component is
19 providing a status signal?

20 A The human detection device, the
21 camera, 132.

22 Q And it's providing that signal where?

23 A It is providing that signal -- that
24 status signal when a human is detected or when a

1 human is not detected, any time there's a change in
2 status. And it's sending it to -- well, this --
3 the figure can be interpreted two ways. The status
4 signal from the human detection device can be sent
5 straight to the security panel, and the security
6 panel 116 can then make a decision -- I will come
7 back to that. Or the -- I just want to check.

8 (Witness reading.)

9 A So according to the claims, there's
10 two different ways that this can operate. So I'm
11 going to read from Claim 2 first.

12 "The barrier alarm of Claim 1, wherein
13 the processor-executable instructions
14 further comprise instructions that cause
15 the barrier alarm device to transmit,
16 via the transmitter, an immediate alarm
17 signal to the receiver for causing a
18 security response to be initiated when
19 it is determined that the human
20 detection device does not indicate that
21 the human being is inside the premises
22 in proximity to the barrier."

23 In this case, the barrier alarm device
24 is making the decision and sending an immediate alarm

1 signal requesting -- or to initiate a security
2 response as opposed to -- as opposed to the operation
3 described in Claim 6. A central security -- skip
4 that.

5 "A central security panel, comprising:
6 a communication interface for receiving
7 signals from a barrier alarm device; a
8 memory for storing processor-executable
9 instructions; and a processor coupled to
10 the communication interface and the
11 memory, for processing a
12 processor-executable instructions that
13 causes the central security panel to" --

14 So in this case, the decision is being
15 made in the central security panel. When the central
16 security panel receives a first alarm signal from a
17 barrier alarm device, that monitors a barrier of the
18 premises such as the door. The first alarm signal
19 indicative of barrier -- the first alarm signal
20 indicative of a barrier being opened is -- hang on a
21 second.

22 Yes. Sorry. When the barrier
23 alarmed detection device is opened, it will send a
24 first alarm signal indicative of the barrier being

1 opened to the central security panel. The central
2 security panel will respond to that first alarm
3 signal by determining whether a human being has been
4 indicated to be inside the premises and proximity to
5 the barrier. If it has, it will begin measuring an
6 elapsed time from when the first alarm signal was
7 received, when it is determined that the human being
8 has been indicated to be inside the premises in
9 proximity of the barrier. Determine whether the
10 elapsed time has exceeded a predetermined time.

11 So if the user of the alarm
12 system does not get over and enter their code into
13 the keypad within this predetermined time, it will
14 generate a security response when it is determined
15 that the elapse time has exceeded the predetermined
16 time. And provide the generated security response to
17 a receiver via communications interface.

18 So that would be 122 and 124.
19 124 being the receiver. 122 being the communications
20 interface.

21 Q To be clear, I'm not asking you to
22 read me the claims. I'm asking based on Figure 1,
23 what the operation specifically of the sensor
24 functionality is, and you said that it could be

1 interpreted two ways. Can you explain that to me?

2 A I thought I did.

3 The decision of how to
4 interpret the barrier alarm status and whether the
5 door's opened or closed and the human detection
6 status is either made at the barrier alarm device,
7 which in the absence of a human being detected will
8 send an immediate alarm signal. If -- as opposed
9 to the barrier alarm device sending in a first
10 alarm signal or timed alarm signal to the central
11 security panel 116, which then will begin a delayed
12 period, a predetermined time that if -- sorry, let
13 me rephrase that.

14 The barrier alarm device will
15 send in a status signal indicating a first or
16 timed, not status signal. First or timed alarm
17 signal indicating that the barrier has been opened.
18 If a human detection status signal is not received
19 at or about the same time, the central security
20 panel will initiate a security response.

21 If a human is indicated to be
22 present, coming from the status provided by the
23 status signal provided by the detection device,
24 then the panel will initiate a predetermined time,

1 a delay for the user to get over to the user
2 interface being 118 or the controls on 116 to enter
3 their code and cancel that time out.

4 If the user does not do that in
5 the predetermined time, then the security panel
6 will send a -- what will initiate a security
7 response by sending a signal through 122 to 124.

8 Q Let's take the second example where
9 there's a time alarmed signal. What component is
10 generating that time alarmed signal?

11 A In that example, the barrier device is
12 sending in a timed alarm signal, which is
13 instructing the central security panel to -- if a
14 human is also detected -- to begin a time delay, a
15 predetermined time delay, to allow the user to go
16 over and enter their code. If they don't, then a
17 security response is initiated.

18 Q And which component is the barrier
19 alarm device you're referencing?

20 MR. LUKAS: Objection; form.

21 THE WITNESS: I just want to
22 double-check.

23 So the barrier alarm device is
24 indicated as 104, which includes 110 and 108.

1 BY MR. McKEOWN:

2 Q So the timed alarm signal is coming
3 from the reed switch?

4 A No. In this particular case, the
5 barrier alarm device would have its own
6 micro-controller in it and have some local --
7 sorry. Okay. The reed switch is just a magnetic
8 sensor. So no matter what, a wireless sensor would
9 always have some control logic and a wireless
10 transmitter.

11 So insomuch as the reed switch
12 is a part of that device, then the reed switch is
13 initiating that and causing the rest of the
14 circuitry to send the wireless signal, or wired if
15 that's the type of network.

16 Q And what does the timed alarm signal
17 look like electrically?

18 A Having designed several different
19 wireless protocols, I will tell you that typically
20 they will be a packet of information that will have
21 some form of identifier of where it's coming from,
22 a payload of data and some form of error checking,
23 back end to that. So it would send out a burst and
24 it sends several binary digits that are interpreted

1 by the central security panel 116.

2 Q And in order for a timed alarm signal
3 to be generated, there needs to be some indication
4 that the proximity sensor has been triggered; is
5 that right?

6 A Assuming we're still talking about the
7 same embodiment and we haven't changed. Then --
8 then, no, the proximity sensor is independent from
9 the barrier detection device. They both send
10 signals to -- signals of various forms to 116, the
11 central alarm panel.

12 Q So then how can barrier alarm device
13 104 send a timed alarm signal without any
14 information about the proximity sensor?

15 A It depends which embodiment you're
16 talking about.

17 Sorry. Sorry. I confused the
18 embodiments.

19 Can you restate your original
20 question?

21 Q Well, why don't we start by
22 identifying the embodiments that you're talking
23 about just so the record is clear.

24 A Okay. The embodiment that's described

1 in Claim 1 is where the barrier status detection
2 device receives input from the human detection
3 device, and the decision is made at the barrier
4 status device as to what type of alarm signal to
5 send to the central security panel 116.

6 Q I'm sorry. When you talk about the
7 devices, can you refer to them by number just so
8 we're clear.

9 A Okay. The barrier detection device I
10 was referring to was 104. The human detection
11 device I was referring to was 132, the camera.

12 Q I think you said 128 was the camera
13 and 132 was a button.

14 A I may have got them backwards, I need
15 to check.

16 (Witness reading.)

17 A Yes, you were correct. I was
18 incorrect. 128 is the camera and 132 is the
19 button.

20 I'm sorry. Are you expecting
21 more from me?

22 Q Yes. To go back to Figure 1 and you
23 said there were embodiments there that were
24 illustrated, and I was just asking you to go through

1 the first one referencing the numbers on the page
2 there.

3 (Witness reading.)

4 A So the embodiment referenced in Claim
5 1 is where --

6 Q I'm sorry, I said Figure 1 just so
7 we're clear.

8 A Yeah. Okay. So with respect to
9 Figure 1, what you're asking me is to identify the
10 two embodiments I'm speaking of.

11 Q Correct.

12 A Correct? Okay.

13 So one of the embodiments is --
14 is captured in Claim 1, and that is when the --
15 both a barrier status detection device --

16 (Witness reading.)

17 A Okay. The embodiment -- referring to
18 Figure 1, in the embodiment referenced in Claim 1,
19 the barrier alarm device 104 sends in a status
20 signal indicating whether or not the barrier is
21 opened or closed. The human detection device 132
22 sends in a status signal -- sorry, 128, the camera.
23 The human detection device 128 sends in a status
24 signal whether a human is detected -- a human is

1 detected or not.

2 So they each send in -- 128 and
3 104 each send in status signals to the central
4 security panel 116.

5 If 116 receives a barrier open
6 status signal without -- without receiving a human
7 detection status signal, it will initiate an
8 immediate security response. If 116, the central
9 security panel, receives a barrier status open
10 signal and human detection is indicated, it will
11 initiate a predetermined delay, which is for the
12 user to get over to the keypad and cancel the
13 system. If not, a -- if not done within that be
14 predetermined time frame a security response would
15 be initiated.

16 Q So in that embodiment, where is the
17 timed alarm signal?

18 A It's -- so I misspoke. The signal
19 from the 104, the area detection device, is an
20 alarm signal. The timed alarm signal is only used
21 in the other embodiment where the decision is made
22 at the -- sorry.

23 Sorry, let me get this
24 straight.

1 (Witness reading.)

2 A Okay. The timed alarm signal -- I
3 misspoke. The signal from 104, the barrier
4 detection device, to the -- to 116, the central
5 security panel, is the timed alarm signal which
6 instructs the security panel to initiate a timer
7 associated with -- initiate a timer.

8 If human detection is indicated
9 -- actually, let me start off. If human detection
10 is not indicated, then a security response is
11 initiated immediately. If human detection is
12 indicated, then the panel 116 will begin a delay
13 for a predetermined period of time to allow the
14 user to access the keypad to cancel the system,
15 otherwise, a security response is initiated.

16 Q How does barrier device 104 talk to
17 the camera 128 in order to send a timed alarm
18 signal?

19 MR. LUKAS: Objection.

20 THE WITNESS: Because it's a perimeter
21 barrier and it's being opened, it is an alarm signal.
22 It doesn't need to know -- in this embodiment, it
23 doesn't need to know. It sends a -- the timed alarm
24 signal, the first alarm signal, depending on the

1 claim, into the 116.

2

3 BY MR. McKEOWN:

4 Q So in this example, a timed alarm
5 signal doesn't take into account the proximity
6 sensor 128?

7 A No, because the decision is made
8 within 116, the central security panel.

9 Q What decision is that?

10 A If human presence is indicated to
11 initiate a predetermined time. If human presence
12 is not indicated to send a -- to initiate a
13 security response immediately.

14 Q So the human presence based upon the
15 output of camera 128 is determined at 116?

16 A The human presence detector sends a
17 status signal to 116 indicating whether a human
18 presence is detected or not. 116 takes that input
19 and through the process or code makes a decision of
20 whether or not to initiate a time delay or initiate
21 a predetermined delay or predetermined timeout or
22 to send an immediate security -- sorry, to send a
23 request for security response immediately.

24 If no human -- if the human

1 status is not indicated, in other words, no human
2 is present, it will send an immediate request for
3 security response. If a human is -- if human
4 presence is detected, then 116 will initiate a
5 predetermined delay to allow the user to -- to get
6 over to their keypad and enter a code to cancel the
7 event.

8 Q So the timed alarm signal in this
9 embodiment is not providing any information about
10 the status of the proximity sensor 130?

11 A That is correct.

12 Q So then how is it a timed alarm
13 signal?

14 A It's intended to initiate a timer at
15 the security panel, and only the indication or not
16 of human presence -- let me rephrase that. It's
17 intended to initiate a timer at the security panel
18 conditional on the presence -- on the --
19 conditional on human detection being indicated.

20 Q But the determination of human
21 detection is done at 116; correct?

22 A Determination of human detection is
23 done at 132 -- sorry, 128, the camera, which sends
24 in a status signal that indicates whether a human

1 is detected -- a status is human detected or human
2 not detected.

3 Q What is your definition of timed alarm
4 signal?

5 A I know we're in the middle of a
6 sequence, but I desperately need to go to the
7 washroom soon after you release me.

8 Q Sure. Right after this one.

9 (Witness reading.)

10 A Sorry, what was your question again?

11 Q What is your definition of timed alarm
12 signal?

13 MR. LUKAS: Objection; calls for a legal
14 conclusion.

15 THE WITNESS: I stated that I really
16 have to go to the washroom, to the point where it's
17 affecting my health.

18 A timed alarm signal is a signal
19 which seeks to initiate a security response with a
20 potential for a timed event or delay.

21 Can I go to the washroom now?

22 MR. McKEOWN: Sure. We can take a
23 five-minute break.

24 (After a lunch recess, the

1 proceedings continued as
2 follows:)

3 BY MR. McKEOWN:

4 Q Welcome back, Mr. Parker. Did you
5 discuss any of your testimony here today during the
6 lunch break?

7 A No.

8 Q Before the break we were talking about
9 the timed alarm signal. Do you remember that?

10 A Yes.

11 Q What alarm system conditions will
12 trigger the generation of a timed alarm signal, if
13 any?

14 THE WITNESS: I don't know if you said
15 that loud enough.

16 MR. LUKAS: Objection; form.

17 THE WITNESS: The opening of a barrier
18 protection device.

19 BY MR. McKEOWN:

20 Q Anything else?

21 A No.

22 Q So there's no need to determine the
23 presence of a human in proximity to that open
24 barrier before generating that alarm -- excuse me,

1 before generating timed alarm signal?

2 A That is correct.

3 Q Is there anywhere in the specification
4 of '340 patent that states otherwise to your
5 knowledge?

6 MR. LUKAS: Objection; form.

7 THE WITNESS: Is there some specific
8 area you can point me to?

9 BY MR. McKEOWN:

10 Q I'm just asking you sitting here today
11 if you're aware of any embodiments in the
12 specification that work differently?

13 A I see it referred to as a first alarm
14 signal or timed alarm signal. To me they're the
15 same.

16 Other than that, no, I'm not
17 aware of anything else.

18 Q What do you mean a first alarm signal
19 and timed alarm signal are the same?

20 A Well, they are referenced in the
21 claims. They -- for example, in Claim 1 it's
22 referred to as a timed alarm signal and in Claim 6
23 it's referred to as a first alarm signal. In my
24 mind, they're functionally the same.

1 Q Do you explain that anywhere in your
2 declaration, Mr. Parker?

3 (Witness reading.)

4 A No, I don't believe I did.

5 Q Okay. Can you go to Paragraph 18 of
6 your declaration.

7 A I have it.

8 Q Second sentence there which begins
9 with the word "it". Could you read that aloud,
10 please?

11 A "It is also my understanding that
12 different words and phrases within a claim or
13 claims are presumed to have different meanings."

14 Q Do you dispute that first alarm signal
15 and timed alarm signal are different words?

16 A No, I don't dispute that.

17 Q Is there anywhere in your declaration
18 where you address the presumption of the sentence
19 you just read?

20 A Not that I'm aware of.

21 Q If you take a look back at the patent,
22 so Column 4.

23 A Column 4?

24 Q Yes, Column 4 around line 10, there's

1 a sentence there that begins "In once," once is a
2 typo it should be in one embodiment. Do you see
3 that?

4 A Yes.

5 Q So that sentence reads:

6 "In one embodiment, if a person inside a
7 structure, such as a person's residence,
8 opens a monitored door or window while
9 the security system is armed, an alarm
10 will not immediately be triggered if the
11 barrier alarm device senses the person
12 inside the structure in proximity to the
13 barrier that was opened. Instead, a
14 timed alarm signal is generated."

15 Do you see that?

16 A Yes.

17 Q Do you agree that in that instance
18 that the timed alarm system is responsive to both
19 the barrier being opened and the proximity detection
20 of a human to that barrier?

21 A Sorry, repeat your question.

22 MR. McKEOWN: Can the court reporter
23 read back that question, please?

24 (Whereupon, the question was

1 read.)

2 THE WITNESS: Not necessarily. There
3 are two ways this is handled in the claims.

4 BY MR. McKEOWN:

5 Q I'm asking if you disagree with that
6 statement.

7 MR. LUKAS: Objection; form.

8 THE WITNESS: Where is the end of the
9 statement, just to be sure?

10 BY MR. McKEOWN:

11 Q So there's two sentences, starts in
12 once embodiment, again, that should be in one
13 embodiment and it continues to the next sentence
14 which talks about -- this is around line 16
15 "Instead, a timed alarm signal is generated." To
16 the end of that sentence.

17 A The end being the end of line 20?

18 Q Yes.

19 A It's only one embodiment so, no, I
20 don't disagree with it.

21 Q Okay. But is -- sorry, strike that.

22 But I had asked you earlier if
23 there was any portions of the specification that
24 generated a timed alarm system by both considering

1 the output of the barrier sensor and the proximity
2 sensor; right?

3 A There is an embodiment -- okay. It
4 would be helpful if we stayed with the claims. But
5 the -- because there are so many different
6 embodiments mentioned in this specification.

7 But to be clear, the signal
8 that originates from the barrier alarm device is
9 always an alarm signal. And because whether
10 further down the chain of logic there's a gating
11 function that's going to be a timed or first alarm
12 signal. So the specifics of how it works depends
13 on which embodiment you're talking about or which
14 claim you wish to talk about.

15 Q Well, let's talk about -- so strike
16 that.

17 We're talking about the
18 disclosure and the '340 patent and I'm asking if
19 there are any embodiments in the '340 patent in
20 which you have to have both an output from a
21 barrier. In other words, the barrier is open and
22 there's a human being detected in proximity of the
23 barrier before you generate the timed alarm signal?

24 A No. The barrier alarm device is

1 always generating a timed alarm signal. The
2 security panel -- the further input from the human
3 detection device can modify that, but it's in the
4 name of the device. It's a barrier alarm detection
5 device. Therefore, it -- it generates an alarm
6 signal, and because of the nature of the logic it's
7 a timed alarm signal or first alarm signal
8 depending on which claim.

9 Q Do you or do you not need data from
10 the proximity center before you transmit a timed
11 alarm signal?

12 A You do not.

13 Q Can you identify anywhere in the '340
14 specification that discusses generating a timed
15 alarm signal without first determining the presence
16 of a human?

17 A In Claim 1 it just says a transmitter
18 for transmitting a timed alarm signal to a receiver
19 associated with the security panel. The timed
20 alarm signal for initiating a timer associated with
21 the security panel, it doesn't say anything about
22 that being conditional on the presence of a human.

23 Q Mr. Parker, I'm asking you about the
24 specification, not the claims.

1 A Can you direct me to a specific area
2 in the specification you would like me to look at?

3 Q No. I presume you read the
4 specification and you're familiar with the
5 embodiments that you've been referencing here all
6 day. I'm just asking if you can point me to a
7 single embodiments where the human detection is
8 unnecessary --

9 A Without the use of electronic search
10 which I'm familiar with and use every day, I'm
11 going to have to go through it. Like I said, there
12 are so many different embodiments I can't remember
13 sitting here remembering which one is which. If
14 you want to grant me the time to do that, fine.
15 Otherwise, if you can point me out it would save us
16 some time.

17 Q Sitting here today you don't
18 understand the conditions for generating the timed
19 alarm signal?

20 A With respect to the claims, yes, I do.
21 And as I said, there are different embodiments. I
22 just can't remember which ones are which without
23 going back and checking. In the -- I don't know
24 how many pages. They are rather lengthy

1 specifications, I can't remember which one. I have
2 to search for it to answer that question.

3 Q To be clear, I'm not asking you to
4 differentiate between embodiments, I'm asking you if
5 there's any embodiment anywhere in the specification
6 that explains a timed alarm signal need only be an
7 indication of an open window or an open door.

8 THE REPORTER: Was that an objection?

9 MR. LUKAS: Object; form.

10 (Witness reading.)

11 THE WITNESS: Column 6, Line 4. I see
12 timed alarm signal is sent without any reference to
13 human detection.

14 (Witness reading.)

15 BY MR. McKEOWN:

16 Q Anywhere else?

17 A Sorry?

18 Q Anywhere else other than Column 6?

19 A As I mentioned before, I'm going to
20 have to look manually unless you let me do an
21 electronic search.

22 Q All right. I will withdraw that
23 question.

24 Column 5, Line 65 through

1 Column 6, Line 16 is discussing keypad 118, is it
2 not?

3 A Column 5, what was the starting line?

4 Q So the start of that paragraph and the
5 sentence you just referenced, Column 5, Line 65
6 through Column 6, Line 16 is talking about keypad
7 118 and its functionality; correct?

8 A And what was the end of the reference
9 you want me to look at?

10 Q The complete paragraph.

11 A So to Column 6.

12 Q 16.

13 A Okay. It refers to functionality
14 associated with the keypad, but also specifically
15 references a case where the timed alarm signal is
16 sent by barrier alarm device without mentioning of
17 anything having to do with human detection.

18 Q Is there any mention in that passage
19 as to why the timed alarm signal was sent?

20 A It's sent because it's monitoring a
21 primary entry door, so Line 5. It's sent by a
22 barrier alarm that monitors a primary entry door.
23 Because it's monitoring the door, presumably the
24 door opened.

1 Q And you presume that that's the only
2 monitoring being done?

3 A It doesn't specifically say which
4 embodiment is being used or which claims are
5 applicable. Again, if you could refer to the
6 claims, it would be simpler.

7 Q Well, in the embodiment that you're
8 referencing where a simple opening of a door sends a
9 timed alarm signal, what's the point of the timed
10 alarm signal?

11 MR. LUKAS: Objection; form.

12 THE WITNESS: It's originating from a
13 barrier alarm device, and in this patent there is a
14 potential for this to be modified by the presence of
15 human detection. Therefore, it's a timed alarm
16 signal, it's just a question of -- off -- it's an
17 alarm signal that can potentially be timed or have a
18 time element in it I should say.

19 BY MR. McKEOWN:

20 Q So in some instances -- strike that.

21 What's the difference between a
22 barrier open signal and a timed alarm signal?

23 A There is no fundamental difference,
24 assuming the system is armed.

1 Q So a timed alarm signal is the same as
2 a status signal?

3 A If the system was disarmed it would be
4 interpreted on the keypad as --

5 Q We're talking about the system being
6 disarmed. When you send the signal to the control
7 panel, it's either a status signal or timed alarm
8 signal. I'm asking you what's the difference?

9 A It is potentially an alarm -- will
10 potentially initiate a security response, and that
11 makes it an alarm signal. A status signal merely
12 informs on the state of -- the state of a sensor or
13 input.

14 Q But you said that the timed alarm
15 signal can just be the state of a barrier being
16 open; right?

17 A In this system it's specifically a
18 barrier alarm sensor, therefore, any signals it
19 sends out are going to be barrier alarm signals.

20 Q I'm asking you to give me the
21 difference between a status signal and a timed alarm
22 signal, and if they both cover an open door, what's
23 the difference?

24 A As it originates from the barrier

1 alarm device, there is no status signal, it is only
2 an alarm signal first few times.

3 Q I'm not sure I understand that answer.
4 Where is the timed --

5 A Potentially -- if the signal can
6 initiate a security response but has the potential
7 to initiate a security response is by -- it is an
8 alarm signal.

9 Q If a timed alarm signal is only
10 indicating an opened barrier and a status signal is
11 indicating an opened barrier, I'm asking you what
12 the difference is between the two signals in that
13 context?

14 A I may have given you an incorrect --
15 you may be interpreting what I said incorrectly. I
16 haven't said that a door -- from the perspective of
17 the barrier alarm device, it doesn't know anything
18 else about the system. So every signal it sends to
19 the name of the device, barrier alarm, every signal
20 it sends is an alarm signal because it potentially
21 can create -- can initiate a security response.

22 Status signals on the contrary
23 do not have the potential to indicate -- to
24 initiate a security response.

1 Q So how is an immediate alarm
2 initiated?

3 A Reading from my declaration Page 30,
4 "The plain and ordinary meaning of the term
5 immediate alarm signal is an alarm signal that
6 instructs the security panel to initiate a security
7 response immediately."

8 Q And how does that happen?

9 A If at first our timed alarm signal is
10 -- comes in from a barrier alarm device and human
11 status indicates that no human is present, then the
12 security panel will generate an immediate security
13 response.

14 Q So human detection is necessary for
15 determining an immediate alarm?

16 A No, it's the absence of human
17 detection.

18 Q But certainly a determination has to
19 it be made one way or the other; right?

20 A Yes.

21 Q But it's your testimony that a
22 determination one way or the other on human
23 detection is unnecessary prior to generating a timed
24 alarm signal; correct?

1 A That's correct.

2 Q Let's go to Paragraph 39 of your
3 declaration. Take a read through that paragraph and
4 let me know when you're done.

5 (Witness reading.)

6 A Okay. I'm done.

7 Q Did you write Paragraph 39?

8 A Yes.

9 Q Do you disagree with anything stated
10 in Paragraph 39?

11 A Clarification. This is referring to
12 -- I believe this is referring to the embodiment
13 where the barrier alarm device has a direct input
14 from the human detection device and the decision is
15 made within the barrier alarm device.

16 Q Why does that matter?

17 A Other than that, no, I don't disagree
18 with anything here.

19 Q Can you explain what you mean by
20 direct connection and why that matters?

21 A I don't suppose it specifically
22 matters because the security panel is still going
23 to generate a -- it's going to initiate a security
24 response if no human is present when the barrier is

1 opened.

2 Q And why is that noteworthy in your
3 mind?

4 A I don't understand your question. I
5 didn't make any notes about this.

6 Q What was that, sorry?

7 A Forget it. Sorry, I didn't mean to
8 say anything.

9 Q So in Paragraph 39 you'll see that
10 passage of the specification we discussed a couple
11 minutes ago, Column 4, 11 through 16, and I'm just
12 reading from the second sentence or so. If the
13 home's occupant opens a monitored door or window
14 while the security system is armed, an alarm will
15 not immediately be triggered if the barrier alarm
16 device senses the occupant is inside the structure
17 in proximity to the barrier that was opened. And it
18 continues on after the citation to column 4, 11
19 through 16, "Instead, a timed alarm signal is
20 generated by the barrier alarm device and
21 transmitted to a security panel" which then goes on
22 to talk about the countdown timer that's started.

23 Is it still your testimony that
24 a timed alarm signal need not consider the status of

1 any proximity sensor?

2 A Yes, it is. Because a barrier alarm
3 device, again, in the named alarm device, any
4 signal it sends is a type of alarm signal. Which
5 can be gated by further logic, depending which
6 embodiment we're referring to.

7 Q And the timed alarm signal is sent to
8 start a timer; correct?

9 A If it's determined that a human is
10 present, yes.

11 Q So now we don't generate a timed alarm
12 signal unless a human is present. I thought you
13 said earlier that that was not the case.

14 A With respect to the security control
15 panel, if a human is present and a timed alarm
16 signal is being received it begins the timer. If a
17 human is not present, then the timed alarm signal
18 is used to initiate an immediate security response.

19 Q And the determination of a human being
20 present is done at the control panel and not at the
21 device generating the timed alarm signal; is that
22 right?

23 A The human detection device in Figure,
24 1, for example, camera 128, is what determines

1 whether or not a human is present or not and sends
2 that information, depending on the embodiment,
3 either to the central 116 or to an embodiment where
4 the barrier detection device is more intelligent to
5 make a decision on whether to send an immediate --
6 to initiate a security response immediately or to
7 wait a time, a predetermined time delay for the
8 user to enter their access code.

9 Q So in the embodiment of Figure 1, the
10 signal that you're calling a timed alarm signal,
11 it's coming from barrier device 104 includes no
12 information about human detection; is that right?

13 A I don't believe it specifically states
14 which version of the barrier alarm detection device
15 is being used I have to --

16 Q Well, Mr. Parker, you testified
17 repeatedly the timed alarm system doesn't need to
18 have any information about the proximity sensor.
19 Again, is that not the case? Is there different
20 embodiments that do?

21 (Witness reading.)

22 A Sorry, could you repeat the question?

23 I lost my train of thought.

24 Q Sure. It's a simple question. Is the

1 timing alarm signal generated in response to a human
2 presence determination or not?

3 A Because we don't know where the
4 decision is being made because the different
5 embodiments the signal is sent with, potentially,
6 and some of the embodiment it is sent without the
7 determination of human presence.

8 Q So it's some of the embodiments now,
9 not all of the embodiments?

10 A Well, it's either going to be a timed
11 alarm signal or an immediate alarm signal. So it's
12 one or the other. Whether the decision is made at
13 the security panel or at the -- what I'm referring
14 to as the more intelligent barrier alarm detection
15 device.

16 Q Well, let's take -- sorry.

17 A Ultimately, it leads to the security
18 panel initiating a security response.

19 Q Let's take the example where the
20 determination of human detection is done at the
21 panel 116. Now, that's one of the embodiments
22 you've pointed out; correct?

23 A Yes. Covered in the claims.

24 Q Okay. So in that embodiment, what is

1 the timed alarm signal doing at 116? Is it starting
2 a timer or is it waiting for the determination?

3 MR. LUKAS: Objection; form.

4 THE WITNESS: Based on my experience
5 designing alarm control panels, I would say that it
6 starts a timer and if -- if human detection is not
7 verified, in other words, human present, that timer
8 gets truncated and a security response is initiated.
9 BY MR. McKEOWN:

10 Q Is that described anywhere in the
11 specification of the '340 patent?

12 A Not that I'm aware of. It's just
13 based on my knowledge as a designer of security
14 panels.

15 Q So once the timer -- let's just say
16 the timer is started. What happens to further
17 inputs at barrier device 104? Are they still
18 transmitted?

19 A They could be, but they would be --
20 it's only the first -- the initial signal that
21 starts the timing sequence. Any additional signals
22 are essentially ignored. If we're talking about a
23 condition where a human is detected and you're
24 giving that period of time for the human to get

1 over to the keypad and enter the code to cancel the
2 whole event. In other words, additional signals
3 don't reset that timer. Once the timer is started,
4 it continues for the predetermined time.

5 THE WITNESS: I would like to request a
6 break.

7 MR. McKEOWN: Sure. Why don't we break
8 here and take five, 10 minutes, whatever you need.

9 (After a brief recess, the
10 proceedings continued as
11 follows:)

12 BY MR. McKEOWN:

13 Q Mr. Parker, did you have any
14 conversations about your testimony today during the
15 break?

16 A No.

17 MR. McKEOWN: I don't think I have
18 anything else.

19 MR. LUKAS: Okay. I'm just going to
20 have a couple of questions. Is that all right?

21 MR. McKEOWN: Sure.

22 E X A M I N A T I O N

23 BY MR. LUKAS:

24 Q Mr. Parker, I'm going to take you to

1 your declaration, Exhibit 2003, and I just want to
2 take you to Page 21, the bottom of Page 21.

3 A Yes.

4 Q Okay. You would agree with me that
5 it's your opinion that the status signal is not a
6 timed alarm signal?

7 A I agree.

8 Q And you would also agree with me the
9 status signal is not a first alarm signal?

10 A Yes, I agree.

11 Q Okay. If you could turn to
12 Paragraph 58 on Page 22. Would you agree that the
13 -- it's your opinion that the plain or ordinary
14 meaning of a status signal is a signal that
15 indicates the state of a sensor?

16 A Yes.

17 Q And that you would also agree with me
18 if you look at Paragraph 59 it's your opinion that a
19 POSITA would not consider a status signal to be an
20 alarm signal, and would not a consider a status
21 signal to be the timed or first alarm signal?

22 A Yes, that's correct.

23 Q Let me look at Page 69 -- excuse me,
24 Paragraph 69 at Page 27.

1 A Go ahead.

2 Q It's your opinion that the plain and
3 ordinary meaning of a bypass signal is an
4 instruction to ignore future alarm signals or
5 barrier status signals generated by a barrier alarm
6 device?

7 A Yes, that is correct.

8 Q And I just wanted to direct your
9 attention to Page 31, Paragraph 79. It's at the top
10 of Page 31.

11 Is it your opinion that a timed
12 alarm signal instructs the security panel to
13 initiate a security response after a predetermined
14 period of time?

15 A Yes, it is.

16 Q Is it also your opinion that an
17 immediate alarm signal instructs the security panel
18 to initiate a security response immediately?

19 A Yes, it is.

20 Q If you could look at Page 15 of your
21 declaration.

22 A Page 15?

23 Q Yes, Exhibit 2003.

24 There was a lot of discussion

1 about embodiments, et cetera, and specification
2 cites. But I want to -- Paragraph 42 is that a --
3 is that your summary of challenged claims 1 and 11
4 of the '340 patent?

5 A Yes, it is.

6 Q And if you look at the end of
7 Paragraph 52 on Page 15, you would agree that --

8 A Paragraph 52?

9 Q Excuse me. Paragraph 42, I apologize.
10 The end of Paragraph 42 on Page 15 where you say --
11 let me just rephrase that. I want you to look at
12 that.

13 It's your opinion that in
14 Claims 1 and 11, the barrier alarm device will
15 transmit a timed alarm signal to a receiver
16 associated with a security panel only when it is
17 determined that a human being is inside the premises
18 in proximity to the barrier?

19 A Yes.

20 Q Okay. And then if you look at
21 Paragraph 43 of Page 16, is that your summary of
22 Challenged Claims 2 and 12?

23 A Yes, it is.

24 Q Okay. And is it your opinion that

1 Claims 2 and 12 specified that the barrier alarm
2 device transmits an immediate alarm signal to the
3 security panel when a barrier monitored by the
4 barrier alarm device has been opened and a human has
5 not been detected inside the premises in proximity
6 to the barrier?

7 A Yes, that is correct.

8 Q And that Paragraph 44 of your report
9 at Page 16, is that your summary of Challenged
10 Claims 6 and 16 of the '340 patent?

11 A Yes, it is.

12 Q And is your opinion that a -- I will
13 direct you to the second line of Paragraph 44.

14 Is it your opinion that the
15 central security panel receives a first alarm signal
16 from the barrier alarm device indicating that a
17 barrier of the premises has been opened and responds
18 to the first alarm signal by determining whether a
19 human being has been indicated to be inside the
20 premises in proximity to the barrier?

21 A Yes, that's correct.

22 Q And that's a requirement of Challenged
23 Claims 6 and 16?

24 A Yes, it is.

1 Q Is it your opinion that a -- let me
2 take you to Page 21.

3 Is it your opinion that a timed
4 alarm signal is the same thing as a first alarm
5 signal?

6 A Yes, it is.

7 Q And you would agree with me,
8 consistent with your opinion here at Page 21 that a
9 status signal is not a timed first alarm signal,
10 that a barrier status signal is not a timed or first
11 alarm signal.

12 A Yes. Yes, I would.

13 MR. LUKAS: I have no further questions.

14 FURTHER EXAMINATION

15 BY MR. McKEOWN:

16 Q Mr. Parker, you were asked about
17 paragraph 79. If you could take a quick look at
18 that.

19 A I have looked at it.

20 Q Okay. Is your definition of
21 "immediate" there at the bottom of Page 30 within
22 five seconds or some other short time period?

23 MR. LUKAS: Objection; form.

24 THE WITNESS: Sorry. You said the

1 bottom on Page 30?

2 BY MR. McKEOWN:

3 Q Yes. So there's some language
4 spanning pages 30 to the top of 31 starting with
5 "i.e., within five seconds," I just want to make
6 sure that's what you mean by immediate.

7 A Yes, "or some other short period of
8 time".

9 Q Does that come from any aspect of the
10 '340 patent?

11 (Witness reading.)

12 A So the citation on the '340 patent, 65
13 to -- 26, 65 to 27/2.

14 At the top of 27, first line,
15 it says; "i.e., within five seconds or some other
16 short period of time". And if you give me a
17 moment.

18 That's it.

19 MR. McKEOWN: Okay. That's all I have.

20 MR. LUKAS: I have no further questions.

21 (Whereupon, the deposition
22 concluded at 1:52 p.m.)

23

24

1 STATE OF ILLINOIS)
) SS.
2 COUNTY OF C O O K)

3

4 I, Diane J. Corona, a certified shorthand
reporter in the State of Illinois, do hereby
5 certify that JAMES PARKER was by me first duly
sworn to testify to the truth, and that the above
6 matter was recorded stenographically by me and
reduced to writing by me.

7

 I FURTHER CERTIFY that the foregoing transcript
8 of the said matter is a true, correct and complete
transcript of the testimony given by the said witness
9 at the time and place specified herein before.

10 I FURTHER CERTIFY that I am not a relative or
employee of any of the parties, nor a relative or
11 employee of the attorneys of record, or financially
interested directly or indirectly in the action.

12

13 IN WITNESS WHEREOF, I have hereunto set my hand
14 this 11th day of April, 2024.

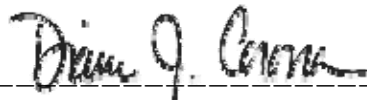
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Key Contacts

Schedule a Deposition:

Scheduling@MagnaLS.com | 866-624-6221

Order a Transcript:

CustomerService@MagnaLS.com | 866-624-6221

General Billing Inquiries:

ARTeam@MagnaLS.com | 866-624-6221

Scheduling Operations Manager:

Patricia Gondor (E: PGondor@MagnaLS.com | C: 215-221-9566)

Customer Care:

Cari Hartley (E: CHartley@MagnaLS.com | C: 843-814-0841)

Director of Production Services:

Ron Hickman (E: RHickman@MagnaLS.com | C: 215-982-0810)

National Director of Discovery Support Services:

Carmella Mazza (E: CMazza@MagnaLS.com | C: 856-495-1920)

Billing Manager:

Maria Capetola (E: MCapetola@MagnaLS.com | C: 215-292-9603)

Director of Sales Operations:

Kristina Moukina (E: KMoukina@MagnaLS.com | C: 215-796-5028)

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