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

KUBOTA NORTH AMERICA CORPORATION,

Petitioner,

v.

VERMEER MANUFACTURING COMPANY,

Patent Owner.

IPR2025-00167

IPR2025-00168

IPR2025-00169

U.S. Patent No. 9,321,386

IPR2025-00170

U.S. Patent No. 9,975,750

IPR2025-00171

U.S. Patent No. 10,202,266

IPR2025-00381

U.S. Patent No. 11,465,891

PGR2025-00016

U.S. Patent No. 12,098,063

Transcript of Dr. Steven Alan Velinsky
Conducted on January 6, 2026

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Deposition of DR. STEVEN ALAN VELINSKY

Conducted virtually via Zoom

Tuesday, January 6, 2026

1:04 p.m. CST

Job No.: 613974

Pages: 1 - 52

Reported by: THERESA A. VORKAPIC,

CSR, RMR, CRR, RPR

Deposition of Dr. Steven Alan Velinsky,
conducted virtually via Zoom, pursuant to notice
before Theresa A. Vorkapic, a Certified Shorthand
Reporter, Registered Merit Reporter, Certified
Realtime Reporter, Registered Professional
Reporter and a Notary Public in and for the State
of Illinois.

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Vermeer Manufacturing Company – Ex. 2039
Kubota v. Vermeer
IPR2025-00168
Page 2 of 68

1 REPORTER'S NOTE: All quotations from exhibits are
2 reflected in the manner in which they were read
into the record and do not necessarily indicate an
exact quote from the document.

4 A P P E A R A N C E S

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4 Depos.

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Transcript of Dr. Steven Alan Velinsky
Conducted on January 6, 2026

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C O N T E N T S		
EXAMINATION OF DR. STEVEN ALAN VELINSKY		PAGE
Examination By Mr. Vander Tuig		7
E X H I B I T S		
(Attached to transcript.)		
VELINSKY DEPOSITION EXHIBITS		PAGE
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	Development of a Tethered	
	Mobile Robot for Highway	
	Maintenance	
Exhibit B	AHMCT Research Report	23
	Development of a Tethered	
	Mobile Routing Robot (TMRR)	
Exhibit C	US Patent 6,056,498	36
Exhibit D	US Patent 6,809,294	37
Exhibit E	US Patent 6,789,291	41
Exhibit F	AHMCT/UC Davis/Caltrans	43
	article	
	Assessment of Graffiti	
	Removal Practices and	
	Initial Development of a	
	Tool for Removing Graffiti	
	from Retroreflective Signs	

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E X H I B I T S (Continued)

Exhibit G AMCHT Evaluation of the 45

TowFlow

for Caltrans Operations

PREVIOUSLY MARKED EXHIBITS PAGE

Exhibit 1001 First Declaration of 28

Steven Alan Velinsky, PhD

PE Under 37 C.F.R. 1.68

in Support of Petition For

Inter Partes Review

Exhibit 1003 Velinsky CV 13

Exhibit 1036 Second Declaration of 17

Steven Alan Velinsky, PhD,

PE Under 37 C.F.R. 1.68

In Support of Petitioner's

Reply

Transcript of Dr. Steven Alan Velinsky
Conducted on January 6, 2026

7

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

2 THE REPORTER: Would you raise your right
3 hand, please.

4 (The witness was duly sworn.) 01:05:20

5 DR. STEVEN ALAN VELINSKY,
6 called as a witness herein, having been first duly
7 sworn, was examined and testified as follows:

8 EXAMINATION 01:05:23

9 BY MR. VANDER TUIG: 01:05:23

10 Q Dr. Velinsky, I'm Mark Vander Tuig. I'm 01:06:04

11 one of Vermeer's back-up counsel in these IPRs. I 01:06:10

12 know that you were already deposed once in these 01:06:14

13 proceedings, so I won't go over a lot of the 01:06:17

14 background ground rules. But -- and I don't 01:06:20

15 anticipate that this will go that long today, but 01:06:21

16 if you need a break for any reason, just let me 01:06:23

17 know and I'd be happy to accommodate that. 01:06:26

18 A Okay. 01:06:28

19 Q Just before we went on the record, we went 01:06:29

20 over some of the logistics of the remote sharing 01:06:31

21 of exhibits. I think you have now already the 01:06:36

22 exhibit that was previously marked as 1042 which 01:06:40

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Vermeer Manufacturing Company – Ex. 2039

Kubota v. Vermeer

IPR2025-00168

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1	is the second declaration that you submitted in	01:06:45
2	these proceedings. The one that I uploaded was,	01:06:47
3	in particular for the record, the Exhibit 1042	01:06:52
4	from proceeding IPR 2025-00167.	01:06:55
5	Do you have that in front of you, sir?	01:07:03
6	A Yes, I do.	01:07:06
7	Q If you turn to the second page of the	01:07:06
8	document, Paragraph 2 says that: "I understand	01:07:09
9	and agree with the board's construction of the	01:07:16
10	claim term 'mainframe' to mean 'the primary	01:07:18
11	supporting structure of the machine.'"	01:07:21
12	Do you see that statement?	01:07:25
13	A Yes.	01:07:26
14	Q Is this understanding of the meaning of	01:07:28
15	mainframe the same as or different than the	01:07:31
16	meaning of mainframe you applied in your first	01:07:34
17	declaration in these proceedings?	01:07:36
18	A It's been a while since I obviously wrote	01:07:41
19	those declarations, but I believe, yes, it is.	01:07:44
20	Q You believe it's the same definition in	01:07:48
21	this declaration as it was in your very first	01:07:51
22	declaration in these proceedings?	01:07:54

1	A Again, as best as I could recall. I	01:07:57
2	haven't -- haven't read those things in a long	01:08:00
3	time but yes.	01:08:03
4	Q Okay. And feel free to review the	01:08:07
5	declaration, but I see reference -- in addition to	01:08:09
6	the institution decision from the board, you also	01:08:13
7	addressed the KR996 reference.	01:08:16
8	Were there any other documents that you	01:08:21
9	reviewed as part of preparing this second	01:08:25
10	declaration?	01:08:28
11	A It was the, as you stated, the Korean	01:08:33
12	patent and then those portions of the board's	01:08:34
13	decision related to mainframe.	01:08:37
14	Q And no other documents were reviewed in	01:08:40
15	connection with preparing this declaration?	01:08:41
16	A No, sir.	01:08:43
17	Q In Paragraph 2 you say you understand and	01:08:53
18	agree with the board's construction, and then it	01:08:55
19	looks like the rest of the declaration, it seems	01:08:58
20	like you're applying that construction to the	01:09:01
21	KR996, but it doesn't seem like you're offering an	01:09:05
22	opinion on whether the board's preliminary	01:09:10

1	construction of mainframe is correct or not. Is	01:09:14
2	that accurate, that you're not opining on claim	01:09:18
3	construction but instead applying that claim	01:09:21
4	construction to the KR996 reference?	01:09:23
5	A I'm applying it. I haven't -- yes, I	01:09:34
6	would say that I agree with them. I do agree with	01:09:37
7	them, and that's why I am applying it.	01:09:39
8	Q You're not offering expert testimony on	01:09:45
9	what the meaning of mainframe is in connection	01:09:47
10	with the Vermeer patents, correct?	01:09:49
11	A No, I think that I'm applying their	01:09:57
12	definition.	01:09:59
13	Q Rather than opining on what the meaning of	01:10:03
14	the word is, right?	01:10:06
15	A No. It's my understanding of what the	01:10:09
16	word means and using their decision, their	01:10:12
17	definition.	01:10:19
18	Q But you don't -- you don't cite in this	01:10:21
19	declaration any evidence, for example, that	01:10:23
20	supports the meaning of the definition. You're	01:10:26
21	just applying the board's understanding of that	01:10:30
22	term to KR996; is that right?	01:10:32

1	A And, of course, my years of experience in	01:10:35
2	mechanical engineering.	01:10:45
3	Q But you're not citing any evidence in	01:10:46
4	support of the definition, correct, in this	01:10:48
5	document?	01:10:50
6	A I would say that's correct.	01:10:51
7	Q You mentioned a minute ago your	01:10:59
8	experience. So I think if you flipped down to	01:11:00
9	Paragraph 5 which appears starting on the bottom	01:11:03
10	of Page 3 of your second declaration, you say	01:11:05
11	that: "Also in my experience using these types of	01:11:11
12	construction machines in working with the	01:11:14
13	California State Department of Transportation,"	01:11:17
14	and then you go on and make some assertions based	01:11:19
15	on that experience.	01:11:22
16	Do you see that?	01:11:23
17	A Yes.	01:11:24
18	Q To dive a little deeper into that	01:11:29
19	experience, is this work you did with the	01:11:31
20	California State Department of Transportation the	01:11:35
21	work you did when you were the director of the	01:11:36
22	Advanced Highway Maintenance and Construction	01:11:39

1	Technology Research Center at UC Davis?	01:11:43
2	A Yes, that's correct.	01:11:44
3	Q And I might refer to that as the acronym	01:11:47
4	that I noticed on the website of that	01:11:49
5	organization, AHMCT; is that familiar?	01:11:52
6	A Yes, kind of awkward, but yes.	01:11:56
7	Q Both the name and the acronym are a bit of	01:12:00
8	a mouthful, but I think the acronym is a little	01:12:02
9	bit easier.	01:12:05
10	A That's fine.	01:12:06
11	Q So in Paragraph 5, you refer to these	01:12:07
12	types of construction machines as mini skid	01:12:14
13	steers.	01:12:18
14	Do you see that?	01:12:18
15	A Yes.	01:12:24
16	Q What is your understanding of what a mini	01:12:25
17	skid steer is?	01:12:28
18	A It would be a -- there are the Bobcat-type	01:12:32
19	of size machines that are typically referred to as	01:12:37
20	skid steers. The mini skid steer would be a	01:12:40
21	smaller device, lighter weight, easier to	01:12:44
22	maneuver.	01:12:50

1	Skid steer is referring to the method of	01:12:51
2	steering as opposed to having an active steering	01:12:55
3	wheel and turning the tires. What a skid steer	01:12:58
4	does it has -- it drives each -- wheels on each	01:13:04
5	side of the vehicle, and it drives them at	01:13:07
6	different speeds in order to accomplish turning,	01:13:09
7	et cetera.	01:13:13
8	Q I'm going to load another exhibit. This	01:13:24
9	is going to be your first declaration, just for	01:13:26
10	reference on this point. I'm throwing that into	01:13:28
11	the chat right now. This was previously marked as	01:13:32
12	Exhibit 1003.	01:13:34
13	A Okay.	01:13:43
14	Q And this particular Exhibit 1003 was	01:13:43
15	submitted in IPR 2025-00167. Let me know when you	01:13:45
16	have that up.	01:13:51
17	A So I should just open it and it should	01:13:59
18	open? Okay. Okay. I have opened it.	01:14:02
19	Q If you could turn -- and feel free to	01:14:11
20	review any portion of this for context if you need	01:14:13
21	to, but if you turn to Page 11 of the document,	01:14:16
22	Paragraph 15 starts at the bottom of that page.	01:14:21

1	And let me know when you see that.	01:14:24
2	A Yes, I have Paragraph 15.	01:14:34
3	Q Okay. So in this paragraph, you define	01:14:35
4	skid steer.	01:14:41
5	Do you see that?	01:14:46
6	A Yes.	01:14:46
7	Q And you define it as "an equipment or	01:14:46
8	device that changes direction by propelling the	01:14:49
9	opposite sides of the machine at different rates	01:14:52
10	as opposed to actively turning the wheels, for	01:14:54
11	example."	
12	Do you see that?	01:14:58
13	A Yes.	01:14:58
14	Q And then you go on to say that you have	01:14:59
15	experience with these types of skid steers dating	01:15:01
16	back to the early 1990s, when you were developing	01:15:06
17	wheeled mobile robots for use in highway	01:15:11
18	maintenance tasks.	01:15:13
19	Do you see that?	01:15:15
20	A Yes.	01:15:15
21	Q So do you consider the wheeled mobile	01:15:22
22	robots that you -- that you developed in the 1990s	01:15:24

1	to be skid steers?	01:15:27
2	A Yes, the differentially steered wheeled	01:15:29
3	mobile robots were skid steers, yes.	01:15:36
4	Q I believe in your first deposition, you	01:15:45
5	used the term "mini skid steer, compact utility	01:15:49
6	loader, compact track loader," all sort of	01:15:55
7	synonyms for the same type of machine.	01:15:58
8	Do you still agree that that's the case?	01:16:01
9	A I haven't -- you're talking about the	01:16:03
10	deposition?	01:16:06
11	Q Yeah, just as far as terminology during	01:16:07
12	the deposition, I think you used "compact utility	01:16:10
13	loader," which I think Vermeer's patents refer to.	01:16:13
14	"Mini skid steer" is another term and then	01:16:16
15	"compact track loader" were all kind of referring	01:16:19
16	to the same machine.	01:16:23
17	Do you agree with that, or are there	01:16:24
18	differences between the three?	01:16:26
19	A I don't recall specifically, you know,	01:16:28
20	saying that back then, but just as far as a	01:16:31
21	tracked vehicle would clearly have tracks as	01:16:37
22	opposed to wheels. But other than that, I'm fine	01:16:40

1	with using the same terminology to describe these	01:16:46
2	devices.	01:16:49
3	Q And would you consider your wheeled mobile	01:16:51
4	robots developed in the 1990s to be compact	01:16:53
5	utility loaders?	01:16:59
6	A Yes, some of them.	01:17:04
7	Q Going back to the first exhibit we were	01:17:24
8	looking at, Exhibit 1042, again, looking at	01:17:26
9	Paragraph No. 5.	01:17:30
10	A Yes.	01:17:36
11	Q This is towards the end of Paragraph 5, on	01:17:36
12	Page 4 of the document, you say: "For example, a	01:17:40
13	mini skid steer can be used for an individual task	01:17:43
14	only, such as routing pavement or placing crack	01:17:47
15	sealant on the highway."	01:17:51
16	Do you see that?	01:17:53
17	A Yes.	01:17:53
18	Q And have you developed or designed mini	01:17:57
19	skid steers for accomplishing the routing of	01:18:00
20	pavement or the placement of crack sealant on the	01:18:02
21	highway?	01:18:06
22	A Yes.	01:18:06

1	Q I'm going to mark another exhibit. This	01:18:28
2	one I'm going to mark as -- actually, this has	01:18:29
3	been previously marked as well. This one is	01:18:32
4	Exhibit 1036. It should be on its way. Let me	01:18:39
5	know when you have that pulled up.	01:18:51
6	A I've opened it.	01:18:52
7	Q So Exhibit 1036, as you can see, is a copy	01:18:53
8	of your CV that was submitted along with your	01:18:58
9	first declaration in these matters.	01:19:02
10	Do you recognize that?	01:19:11
11	A Yes.	01:19:12
12	Q And if you turn to Page 6 of your CV,	01:19:12
13	there is a -- this is part of a list of your	01:19:15
14	research publications.	01:19:24
15	Do you recognize that?	01:19:25
16	A Yes.	01:19:25
17	Q If we look at Research Publication No. 49,	01:19:34
18	you're listed as an author. The title of this	01:19:36
19	paper is: "Development of a Tethered Mobile Robot	01:19:39
20	for Highway Maintenance."	01:19:43
21	Do you see that?	01:19:44
22	A Yes.	01:19:45

1	Q Do you recognize this paper to be related	01:19:46
2	to the machine that you built for routing pavement	01:19:48
3	and applying sealant to highways?	01:19:52
4	A I would say certainly related to it. I	01:20:05
5	don't recall all the details of that report as we	01:20:08
6	speak, but generally, we developed a bunch of what	01:20:09
7	we called, you know, wheeled mobile robots for	01:20:12
8	highway maintenance.	01:20:16
9	MR. VANDER TUIG: I'm going to mark as a	01:20:39
10	new Exhibit A to this deposition a document that	01:20:40
11	I'm sending your way.	01:20:43
12	(A certain document was marked Velinsky	01:20:45
13	Deposition Exhibit A for identification,	
14	as of 01/06/2026.)	01:21:01
15	BY MR. VANDER TUIG:	01:21:01
16	Q Let me know when you have that one pulled	01:21:01
17	up.	01:21:02
18	A I have it.	01:21:03
19	MR. O'DELL: I'm still downloading.	01:21:03
20	MR. VANDER TUIG: Okay.	01:21:05
21	MR. O'DELL: Okay. I'm ready.	01:21:07
22	BY MR. VANDER TUIG:	01:21:09

1 Q So I've pulled up a handful of research 01:21:14
2 reports, and this is the first one that we're 01:21:16
3 going to discuss on the AHMCT website that has 01:21:18
4 some of the final reports and various documents 01:21:24
5 that were prepared by you and your team back in 01:21:28
6 the day. 01:21:30

7 Do you recognize this report? 01:21:30

8 A Yeah. I mean, in general, yes. Until I 01:21:39
9 look at it I don't know all the details, but, 01:21:43
10 yeah, sure. 01:21:46

11 Q When we're looking at your list of 01:21:50
12 research publications in Exhibit 1036, number 49 01:21:52
13 referenced a document UCB-ARR-94-10-31-01. 01:21:58

14 Do you recognize -- 01:22:09

15 A This report is what you just -- 01:22:12

16 Q Right. Do you recognize that to be the 01:22:14
17 case? 01:22:16

18 A Sure, yes. 01:22:17

19 Q So this report was published or prepared 01:22:19
20 or finalized in October of 1994, and you're listed 01:22:21
21 as one of the authors on the first page. 01:22:26

22 Do you see that? 01:22:29

1	A That's correct.	01:22:30
2	Q If we turn to Page 11 of the document	01:22:36
3	which appears at PDF Page 19, let me know when	01:22:40
4	you're there.	01:22:45
5	A I'm there.	01:22:46
6	Q There's a Figure 3.4 that's labeled "TMR	01:22:48
7	Photograph."	01:22:54
8	Do you see that?	01:22:54
9	A Yes.	01:22:55
10	Q And TMR stands for tethered mobile robot,	01:22:56
11	correct?	01:23:00
12	A That's correct.	01:23:00
13	Q Is this a picture of the prototype of the	01:23:05
14	tethered mobile robot as of the date of this	01:23:08
15	report?	01:23:11
16	A Yeah, we were developing the methodology	01:23:12
17	for accurately measuring the position of the	01:23:15
18	device with respect to the support vehicle that it	01:23:19
19	works from and that's -- in the laboratory, that	01:23:26
20	is the laboratory prototype unit for measuring the	01:23:28
21	position accurately.	01:23:35
22	Q So this is the tethered mobile robot	01:23:39

1	prototype, correct?	01:23:43
2	A Yes, this is the early prototype without	01:23:54
3	having any tools on it. It was used to measure	01:23:56
4	the relative position accurately with respect to	01:23:58
5	the vehicle. That's what that aspect concerns.	01:24:02
6	Q When you reference the support vehicle, if	01:24:04
7	you look a couple of pages earlier, Page 9 of the	01:24:06
8	native document, which is Page 17 of the PDF?	01:24:12
9	A Yes.	01:24:13
10	Q There is a schematic there under	01:24:14
11	Figure 3-1 that's labeled the "Conceptual TMR	01:24:16
12	System Configuration."	01:24:20
13	Do you recognize that?	01:24:21
14	A Yes, that's correct.	01:24:24
15	Q And the support vehicle there is indicated	01:24:25
16	at the top which has the control hardware and the	01:24:28
17	materials for the crack sealant work and the power	01:24:31
18	supply.	01:24:35
19	Do you see that?	01:24:36
20	A Yes.	01:24:36
21	Q And the support vehicle would be what,	01:24:37
22	like a truck or what would the vehicle be?	01:24:39

1	A Yes, it's a truck.	01:24:42
2	Q And then there would be some sort of	01:24:45
3	mechanical arm or linkage that would hook to the	01:24:47
4	tethered mobile robot, correct?	01:24:50
5	A For this particular prototype, that's what	01:24:52
6	we were envisioning, was this arm. You see	01:24:55
7	mechanical linkage. And it would allow us to	01:25:00
8	measure the position accurately by having encoders	01:25:02
9	on the arm.	01:25:08
10	Q And so this prototype that we're seeing in	01:25:13
11	Figure 3-4, that we looked at a minute ago on	01:25:14
12	Page 11 of the document, do you consider than to	01:25:17
13	be a compact utility loader?	01:25:20
14	A Well, as it stands, there's not tools on	01:25:30
15	it. It's just a prototype being used in the	01:25:32
16	development of a compact utility loader.	01:25:38
17	Q So you would say that this is not itself a	01:25:42
18	compact utility loader?	01:25:44
19	A As it stands, no.	01:25:45
20	Q You still have Exhibit 1036 up, your CV.	01:25:53
21	If you could pull that back up and scroll down in	01:25:58
22	the list of research publications to Publication	01:26:01

1	No. 80.	01:26:03
2	A Yes.	01:26:10
3	Q Do you see that one?	01:26:11
4	A Uh-huh.	01:26:12
5	Q This is another research report where	01:26:13
6	you're listed as an author. This one is titled:	01:26:15
7	"Development of Tethered Mobile Routing Robot	01:26:18
8	(TMRR)."	01:26:23
9	A Yes.	01:26:24
10	Q Which is another AHMCT research report.	01:26:25
11	This one is identified as UCD-ARR-97-02-24-01.	01:26:30
12	Do you see that?	01:26:41
13	A Yes, I do.	01:26:42
14	Q And that one is from 1997, correct?	01:26:42
15	A Yes.	01:26:45
16	MR. VANDER TUIG: I want to load that	01:26:50
17	research report up as our next exhibit. Just a	01:26:51
18	second.	01:26:54
19	(A certain document was marked Velinsky	01:26:54
20	Deposition Exhibit B for identification,	
21	as of 01/06/2026.)	01:27:05
22	BY MR. VANDER TUIG:	01:27:05

1	Q It should be on its way. It's a little	01:27:06
2	bit large.	01:27:08
3	A Yes, I opened it.	01:27:18
4	Q And here you're again on the front page	01:27:23
5	listed as one of the authors.	01:27:26
6	Do you recognize this to be the report	01:27:27
7	that's referenced on your CV?	01:27:30
8	A Yes.	01:27:32
9	Q No. 8. If you turn to Page 5 of the	01:27:34
10	native document which is PDF Page 11, please.	01:27:39
11	A Okay, got it.	01:27:53
12	Q On Page 5 of the native document there is	01:27:55
13	a Figure 2-2 which is a photograph of the front	01:27:57
14	view of the tethered mobile routing robot.	01:28:00
15	Do you see that?	01:28:03
16	A Yes.	01:28:05
17	Q And the acronym for this is TMRR, correct?	01:28:06
18	A Yes.	01:28:10
19	Q Is this an accurate photograph of the	01:28:12
20	tethered mobile routing robot that existed as of	01:28:16
21	1997?	01:28:21
22	A As best as I can tell from that	01:28:27

1	figure -- there are other views in here --	01:28:29
2	Q Yeah, feel free to --	
3	A -- that's in our laboratory, by the way.	01:28:38
4	Q Do you recognize this machine, though, to	01:28:39
5	be the tethered mobile routing robot that your	01:28:41
6	team created?	01:28:44
7	A To the best of my recollection, that looks	01:28:51
8	like the machine.	01:28:54
9	Q At a high level -- and you don't have to	01:28:56
10	get too detailed -- can you explain how this thing	01:28:58
11	worked?	01:29:01
12	A Sure. So basically you have cracks in the	01:29:06
13	pavement that you want to fill with material,	01:29:09
14	tar-like material, bituminous material. And so	01:29:16
15	what you like to do is enlarge the crack in such a	01:29:21
16	way that the material could penetrate and fill	01:29:26
17	that crack. And so there is a routing unit that	01:29:29
18	typically is -- looks like a person --	01:29:36
19	(Reporter clarification.)	01:30:09
20	BY THE WITNESS:	
21	A Okay. So the typical router is manually	01:30:12
22	operated. A person pushes around a device; it	01:30:14

1	looks like a big lawn mower, snow blower. But our	01:30:17
2	research center concerned automating highway	01:30:23
3	maintenance operations, and so we built our own	01:30:29
4	routing device, mounted it on a wheeled mobile	01:30:33
5	robot that was differentially steered. The basic	01:30:38
6	sensing was on the support vehicle, and then this	01:30:50
7	device had additional sensing on it to ensure that	01:30:56
8	the operator was moving over the cracks while the	01:31:01
9	device was routing, so the router was powered.	01:31:08
10	And the power to run the router came from the	01:31:13
11	support vehicle.	01:31:20
12	Q And, again, the support vehicle was like a	01:31:23
13	construction truck?	01:31:27
14	A Yes.	01:31:28
15	Q So this -- is this the photograph of the	01:31:31
16	tethered mobile robot with the tooling necessary	01:31:37
17	to achieve the routing and the sealing?	01:31:43
18	A As best as I could -- no, let me back up,	01:31:50
19	no.	01:31:53
20	The sealant was a different robot, so one	01:31:53
21	is routing and one is sealing. So this is the	01:31:57
22	routing robot as best as -- the picture is kind of	01:32:04

1 fuzzy, but it was a development stage in the 01:32:08
2 laboratory during the development part of the 01:32:10
3 machine where we were ensuring that we could 01:32:13
4 follow cracks and so on, and then later on moved 01:32:16
5 it out onto the pavement to actually route 01:32:23
6 pavement itself. 01:32:29

7 Q What did the sealing robot look like? 01:32:32

8 A Similar type of device being as it was a 01:32:40
9 wheeled mobile robot that was differentially 01:32:46
10 steered, and it had a patented sealant applicator 01:32:49
11 on it. 01:32:58

12 Q Would it be attached to a support vehicle 01:33:00
13 like the routing robot was? 01:33:03

14 A Yes, because it got its power and the 01:33:05
15 sealant was provided by the melter that existed on 01:33:10
16 the support vehicle. 01:33:16

17 Q Is my understanding correct that there 01:33:19
18 would be a separate pairing of the routing robot 01:33:20
19 and a support vehicle separate from a different 01:33:25
20 support vehicle and the sealing robot? 01:33:28

21 A No, not necessarily. It could be or they 01:33:32
22 could come from the same vehicle. 01:33:36

1	Q The two robots could share the same	01:33:44
2	support vehicle you're saying?	01:33:47
3	A Yes, that's correct.	01:33:48
4	Q So in Figure 2-2 of Exhibit B that we're	01:33:51
5	looking at, do you consider this to be a compact	01:33:55
6	utility loader?	01:33:58
7	A The road-going machine definitely was.	01:34:13
8	This could be considered one.	01:34:16
9	Q So you do or you do not consider this to	01:34:22
10	be a compact utility loader?	01:34:26
11	A I consider it to be a compact utility	01:34:28
12	loader, yes.	01:34:31
13	Q As part of your work in connection with	01:34:37
14	these cases, did you consider the definition of	01:34:39
15	"compact tool carrier" that's provided in	01:34:41
16	Vermeer's patents?	01:34:44
17	A Yes.	01:34:49
18	Q Just so we're on the same page, I'm going	01:34:49
19	to upload the '386 patent so you can take a look	01:34:52
20	at that. It should be on its way. This is	01:35:00
21	Exhibit 1001 previously marked. Let me know when	01:35:03
22	you have that up.	01:35:13

1	A This is the patent?	01:35:14
2	Q This is Vermeer's '386 patent, correct?	01:35:14
3	A Yes.	01:35:17
4	Q You are familiar with this patent, right?	01:35:17
5	A It's been a while since I reviewed it, so	01:35:19
6	I can't -- can't tell you the details of it, but,	01:35:23
7	you know, it's been quite a few months since we	01:35:26
8	went through and wrote those initial reports, and	01:35:32
9	I haven't read it recently but generally, yes, I'm	01:35:34
10	familiar with it.	01:35:37
11	Q If you could turn to PDF Page 10 which is	01:35:43
12	where the written description starts, Column 1.	01:35:46
13	Let me know when you're there.	01:35:48
14	A I'm there.	01:35:49
15	Q Under the heading "Background," there is a	01:35:49
16	description of compact tool carrier is the first	01:35:52
17	paragraph there.	01:35:55
18	Do you see that?	01:35:55
19	A Yes.	01:35:56
20	Q I'll just read it into the record so we're	01:35:58
21	on the same page here. It says: "Compact tool	01:36:03
22	carriers are tool-mounted machines that are	01:36:07

1 capable of working in tight spaces for utility or 01:36:09
2 do-it-yourself home projects. Compact tool 01:36:13
3 carriers are walk-behind units or include a 01:36:16
4 platform on which the operator may stand during 01:36:20
5 use." 01:36:22

6 It goes on to say that: "Compact tool 01:36:27
7 carriers are generally defined" -- citing a couple 01:36:30
8 of ISO and SAE standards -- "as 'a self-propelled 01:36:34
9 crawler or wheeled machine having an operating 01:36:41
10 mass of less than 1500 kilograms with a rigid 01:36:43
11 frame, having a pedestrian operating position or a 01:36:48
12 standing operator platform at the rear of the 01:36:51
13 machine and either front-mounted interchangeable 01:36:54
14 equipment or lift arms with an attachment bracket 01:36:58
15 capable of coupling to interchangeable 01:37:02
16 front-mounted attachments.' The tool carriers may 01:37:05
17 be attached to a variety of interchangeable tools 01:37:10
18 such as buckets, augers, forks, stump grinders, 01:37:14
19 tillers, rollers and the like." 01:37:18

20 Do you see that? 01:37:22

21 A I see that. 01:37:23

22 Q Applying this definition of compact tool 01:37:26

1 carrier in the Vermeer patents, you would agree 01:37:30
2 with me that the tethered mobile robot that we saw 01:37:34
3 in Exhibits A and B don't have these features, 01:37:39
4 correct? 01:37:47

5 A Well, I mean, I think the -- first of all, 01:37:50
6 I'm looking at this now after quite a period of 01:37:54
7 time, but a self-propelled machine certainly meets 01:37:58
8 that, certainly has a mass less than 01:38:04
9 1500 kilograms, certainly has a rigid frame and 01:38:07
10 generally defined as such. And so my definition 01:38:11
11 fits that. I generally define it as such. It's a 01:38:14
12 machine that -- also our machines can operate 01:38:18
13 remotely with teleoperation from someone walking 01:38:23
14 on the roadway. So generally our machines do meet 01:38:26
15 this definition, and in my opinion they do. 01:38:32

16 Q So did your machine have a pedestrian 01:38:36
17 operating position or a standing operator platform 01:38:39
18 at the rear of the machine? 01:38:43

19 A Our machines can be operated by a 01:38:45
20 pedestrian remotely, yes. Teleoperation, that's 01:38:49
21 what we're talking about. I believe in the patent 01:38:55
22 it also talks about that as well, that in addition 01:38:58

1	to riding on it, you can operate it, for example,	01:39:04
2	wirelessly or connected with a wire it has, so	01:39:08
3	yes.	01:39:17
4	Q But your robots were not designed to have	01:39:17
5	an operator on the robot, correct?	01:39:19
6	A No.	01:39:26
7	Q And your tethered robots were not designed	01:39:27
8	to have front-mounted interchange building	01:39:34
9	equipment or lift arms with an attachment bracket	01:39:37
10	capable of coupling to interchangeable	01:39:39
11	front-mounted attachments, correct?	01:39:42
12	A Well, we have -- we certainly have	01:39:48
13	interchangeable equipment, and the ones we're	01:39:50
14	looking at don't have lift arms on them, no.	01:39:54
15	Q When you say "the ones we're looking at,"	01:40:01
16	were there other tethered mobile robots that you	01:40:04
17	designed with lift arms?	01:40:07
18	A Not that I can recall.	01:40:09
19	Q And your tethered mobile robots couldn't	01:40:13
20	be attached to buckets, augers, forks, stump	01:40:18
21	grinders, tillers, rollers or the like, correct?	01:40:23
22	A Well, there's other -- there were other	01:40:33

1	devices that have buckets on them.	01:40:34
2	Q Just so the board understands your	01:40:40
3	testimony, it's your understanding that your	01:40:42
4	tethered mobile robots that we saw in Exhibits A	01:40:43
5	and B are compact tool carriers as described in	01:40:47
6	Vermeer's patents?	01:40:49
7	A It's as I defined them based on reading	01:40:55
8	that, yes.	01:40:58
9	Q Kubota has represented to the Patent Trial	01:41:09
10	and Appeal Board that as to you and Vermeer's	01:41:16
11	expert, Dr. Flemming, that you are the one true	01:41:18
12	expert for compact utility loaders based on your	01:41:20
13	experience with the UC Davis AHMCT group.	01:41:24
14	Were you aware of that fact?	01:41:38
15	A I'm aware of the fact -- I'm sorry. If	01:41:45
16	you could repeat that, please.	01:41:47
17	Q Yeah.	01:41:48
18	Kubota has represented that based on your	01:41:49
19	experience with the AHMCT research center, that as	01:41:51
20	between you and Vermeer's expert, Dr. Flemming,	01:41:55
21	that you're the only true expert in compact	01:41:58
22	utility loaders.	01:42:03

1	Were you aware of their representation?	01:42:10
2	A No.	01:42:12
3	Q Do you agree with that?	01:42:12
4	A I don't know anything about the other	01:42:13
5	expert. I didn't even know they had an expert.	01:42:15
6	So I can't comment on that. I'm not -- not	01:42:18
7	prepared to discuss that now.	01:42:20
8	Q Okay. So you never reviewed	01:42:22
9	Dr. Flemming's expertise in his declaration or his	01:42:25
10	CV?	01:42:27
11	A No, not at all.	01:42:27
12	Q Did you review Dr. Flemming's declaration?	01:42:31
13	A No.	01:42:33
14	Q In making that representation, Kubota	01:42:37
15	cites to your first declaration. So if you could	01:42:47
16	pull that back up. We've previously marked at	01:42:50
17	Exhibit 1003. Let me know when you have that back	01:42:53
18	up on your screen.	01:43:01
19	A I'm going to close some of these. It's a	01:43:05
20	little awkward. 1003 was -- was my first exhibit.	01:43:07
21	Okay. My first declaration, yes.	01:43:18
22	Q Okay. And if you turn to Page 9 of that	01:43:20

1	first declaration, there's a Paragraph 10 there.	01:43:24
2	Let me know when you have that on your screen.	01:43:28
3	A Yes.	01:43:36
4	Q And this, again, is referring to the AHMCT	01:43:36
5	experience you had.	01:43:40
6	Do you see that?	01:43:41
7	A Yes.	01:43:41
8	Q In particular, you state in your	01:43:42
9	declaration that you designed and developed	01:43:47
10	automated highway maintenance and construction	01:43:51
11	machines.	01:43:53
12	Do you see that?	01:43:54
13	A Yes.	01:43:55
14	Q And there was a variety of highway tasks	01:43:57
15	that these different machines accomplished. And	01:44:00
16	then I'll just read. It says: "...the dispensing	01:44:03
17	and retrieval of highway cones, sealing of	01:44:06
18	pavement cracks, collection of roadway debris,	01:44:10
19	landscape maintenance, graffiti removal and	01:44:13
20	plowing of snow..."	01:44:17
21	Do you see that?	01:44:19
22	A Those were examples, yes.	01:44:20

1	Q Okay. I'd like to explore some of that	01:44:27
2	experience as well.	01:44:29
3	MR. VANDER TUIG: I'm going to mark as the	01:44:30
4	next exhibit -- let's see. We'll mark this as	01:44:31
5	Exhibit C.	01:44:44
6	(A certain document was marked Velinsky	01:44:51
7	Deposition Exhibit C for identification,	
8	as of 01/06/2026.)	01:45:02
9	BY MR. VANDER TUIG:	01:45:02
10	Q Okay. The next exhibit, Exhibit C, should	01:45:02
11	be on its way. Let me know when you have that	01:45:04
12	pulled up.	01:45:06
13	A I have that exhibit pulled up.	01:45:07
14	Q And, for the record, Exhibit C is United	01:45:08
15	States Patent No. 6,056,498 that issued in May of	01:45:11
16	2000.	01:45:18
17	Do you recognize this patent?	01:45:18
18	A Yes, I do.	01:45:20
19	Q And you're listed as the first named	01:45:21
20	inventor on this patent, correct?	01:45:25
21	A That's correct.	01:45:26
22	Q And this is titled: "Apparatus for	01:45:29

1	retrieving conical roadway warning markers."	01:45:31
2	Do you see that?	01:45:34
3	A Yes.	01:45:35
4	Q Do you recognize this to be the apparatus	01:45:39
5	that you developed as part of the AHMCT work for	01:45:41
6	retrieving highway cones?	01:45:49
7	A Yes.	01:45:52
8	Q And if we look at, for example, Figure --	01:45:54
9	let's see, Figure 3, does that show that this	01:45:58
10	apparatus that achieved that function was attached	01:46:03
11	to the side of a truck? Correct?	01:46:05
12	A That's correct.	01:46:08
13	Q Do you consider this apparatus to be a	01:46:10
14	compact utility loader?	01:46:14
15	A This specific one, no.	01:46:17
16	MR. VANDER TUIG: I'm going to mark	01:46:26
17	another exhibit. This will be Exhibit D.	01:46:27
18	(A certain document was marked Velinsky	01:46:33
19	Deposition Exhibit D for identification,	
20	as of 01/06/2026.)	01:46:48
21	BY MR. VANDER TUIG:	
22	Q It should be on its way. For the record	01:46:48

1	Exhibit D is United States Patent 6,809,294 issued	01:47:02
2	in October of 2004.	01:47:07
3	A That's right.	01:47:08
4	Q Do you recognize this patent?	01:47:09
5	A Yes.	01:47:12
6	Q This one is titled: "Apparatus For	01:47:12
7	Dispensing Pavement Sealants," and it lists you as	01:47:16
8	the first named inventor.	01:47:19
9	Do you see that?	01:47:20
10	A Yes.	01:47:26
11	Q In addition to the tethered mobile robot	01:47:26
12	for sealing cracks, is this another apparatus for	01:47:28
13	sealing cracks that you developed as part of the	01:47:32
14	AHMCT?	01:47:34
15	A Yes.	01:47:42
16	Q And if we look at Figure 1, this depicts	01:47:45
17	the apparatus for sealing cracks as a towable	01:47:51
18	trailer towed behind a truck which is not pictured	01:47:56
19	except for the Reference No. 12.	01:47:59
20	Do you see that?	01:48:02
21	A I'm sorry. Will you repeat what you --	01:48:06
22	what you said this is?	01:48:09

1	Q Yes, sure.	01:48:10
2	So if we look at Figure 1, do you have	01:48:11
3	that up?	01:48:13
4	A I do.	01:48:13
5	Q So Figure 1 depicts the apparatus for	01:48:14
6	sealing cracks, correct?	01:48:17
7	A No.	01:48:19
8	Q What does Figure 1 show?	01:48:21
9	A Figure 1 is a sealant melter. The way	01:48:23
10	that the operations occur is that rather than	01:48:30
11	bringing molten tar out to the jobsite, there's a	01:48:37
12	sealant melter. And the sealant is brought out	01:48:43
13	in -- I'll call them cubes for a better	01:48:49
14	definition. They're not exactly cube-shaped.	01:48:52
15	And they go into this melter, and there is	01:48:55
16	certainly a lag in the period of time for them to	01:49:00
17	melt to where they can be dispensed as sealant to	01:49:04
18	the roadway. And so this part of the patent	01:49:10
19	concerns, I believe, us cutting up the material	01:49:14
20	into smaller sections so that it would melt	01:49:24
21	faster. If you look at Figure 7, for example, it	01:49:27
22	shows a mechanism to -- to do that.	01:49:29

1 Q How, if at all, does this apparatus relate
2 to the tethered mobile robot for sealing cracks?

01:49:36

01:49:38

3 A So this unique contribution relates to
4 being able to melt the material at a faster rate
5 because we were dispensing the material with the
6 device shown in Figure 11 at a much higher rate
7 than was ever done previously.

01:49:48

01:49:51

01:49:57

01:49:58

01:50:07

8 The sealant applicator itself is depicted
9 later on, and that's our patented device on how
10 we -- Figure 19 is a good figure of that. And so
11 that sealant applicator was then placed on a
12 wheeled device, differentially steered, skid steer
13 little device. And then the tether provided the
14 sealant from the trailer to that dispenser on the
15 compact utility loader, I'll call it.

01:50:10

01:50:14

01:50:19

01:50:22

01:50:34

01:50:39

01:50:41

01:50:49

16 Q So if I'm understanding correctly, the
17 Figure 19 is the applicator mechanism that would
18 be mounted on the tethered mobile robot, for
19 example.

01:50:54

01:50:57

01:51:02

01:51:06

20 A That's correct.

01:51:06

21 Q And what we saw in Figure 1 is the towable
22 trailer that is pulled behind the support vehicle

01:51:08

01:51:10

1	that helps melt the tar that will be used for the	01:51:13
2	sealing operation in a more efficient manner?	01:51:20
3	A Yes, that's correct.	01:51:22
4	MR. VANDER TUIG: We'll mark another	01:51:39
5	exhibit.	01:51:40
6	(A certain document was marked Velinsky	01:51:41
7	Deposition Exhibit E for identification,	
8	as of 01/06/2026.)	01:51:50
9	BY MR. VANDER TUIG:	01:51:50
10	Q I'm marking the next one as Exhibit E. It	01:51:50
11	should be on its way. For the record, Exhibit E	01:52:04
12	is United States Patent No. 6,789,291 that issued	01:52:07
13	in September of 2004 titled "Telerobotic Nozzle	01:52:13
14	Positioning System For An Automated Roadway Debris	01:52:17
15	Vacuum Vehicle," listing you, sir, Dr. Velinsky,	01:52:21
16	as the first inventor.	01:52:29
17	Do you see that?	01:52:30
18	A Yes.	01:52:32
19	Q Do you recognize this patent?	
20	A Yes.	01:52:32
21	Q Does this patent reflect the work you'd	01:52:32
22	done in developing a machine to collect roadway	01:52:35

1	debris?	01:52:38
2	A Yes.	01:52:38
3	Q If we look at Figure 1, does this show	01:52:50
4	that this apparatus is connected to a support	01:52:53
5	vehicle in the form of a truck that we see there?	01:52:55
6	A Yes.	01:52:58
7	Q At a high level, can you explain how this	01:52:59
8	apparatus worked to collect roadway debris?	01:53:01
9	A Sure. This -- the type of vehicle that	01:53:06
10	was the support vehicle is a truck that's	01:53:11
11	typically used. It's a large vacuum truck that's	01:53:18
12	typically used for clearing storm drains that --	01:53:21
13	you may have seen them on the roadway.	01:53:27
14	And the idea was to be able to collect	01:53:30
15	debris from very challenging locations, like on	01:53:34
16	the freeway where it would get caught next to a	01:53:38
17	guardrail, and you had high-speed traffic passing	01:53:42
18	by, the goal being to remove people from the	01:53:44
19	roadway.	01:53:50
20	And so this was a teleoperated end	01:53:51
21	effector, I'll call it, that goes on that vacuum	01:53:57
22	truck. And you could control the position of it	01:54:00

1	while the vacuum is sucking up the debris and	01:54:06
2	removing it from the roadway surface.	01:54:09
3	Q You wouldn't consider this particular	01:54:14
4	apparatus to be a compact utility loader, correct?	01:54:16
5	A No.	01:54:19
6	MR. VANDER TUIG: The next exhibit I'm	01:54:23
7	going to mark is going to be Exhibit F.	01:54:24
8	(A certain document was marked Velinsky	01:54:27
9	Deposition Exhibit F for identification,	
10	as of 01/06/2026.)	01:54:33
11	BY MR. VANDER TUIG:	01:54:33
12	Q It should be on its way. Let me know when	01:54:33
13	you have that one open.	01:54:35
14	A It's open.	01:54:42
15	Q So this is another AHMCT report. This one	01:54:43
16	is dated December 31, 2001 and lists you as the	01:54:50
17	principal investigator.	01:54:59
18	Do you see that?	01:55:00
19	A Yes, uh-huh.	01:55:03
20	Q The title of this one is: "Assessment of	01:55:05
21	Graffiti Removal Practices and Initial Development	01:55:11
22	of a Tool for Removing Graffiti from	01:55:12

1	Retroreflective Signs."	01:55:16
2	Do you recall this project?	01:55:18
3	A You're reminding me of it, but yes, I	01:55:26
4	guess so.	01:55:29
5	Q If you turn or flip down to Page 65 of the	01:55:29
6	PDF which is Page 55 of the native document.	01:55:32
7	A 65. 55.	01:55:40
8	Q Of the native document.	01:55:51
9	A Yes, uh-huh.	01:55:52
10	Q So here we have a Figure 2-2 in your	01:55:53
11	report that's titled: "Conceptual sketch of a	01:55:56
12	sign cleaning tool," and depicted here is a	01:56:00
13	backpack-mounted battery power sign cleaning tool.	01:56:03
14	Do you see that?	01:56:07
15	A Yes.	01:56:08
16	Q Is this the work -- is this the apparatus	01:56:12
17	that you developed for removing graffiti?	01:56:16
18	A I wouldn't say we developed it. It's a	01:56:24
19	conceptual sketch.	01:56:26
20	Q Did you ever develop an actual graffiti	01:56:28
21	removal machine?	01:56:30
22	A I don't recall. It's certainly not	01:56:35

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45

1 something like this. 01:56:45

2 Q Okay. You can close that one. 01:56:51

3 MR. VANDER TUIG: One more exhibit. This 01:57:00

4 one will be Exhibit G. 01:57:01

5 (A certain document was marked Velinsky 01:57:04

6 Deposition Exhibit G for identification,

7 as of 01/06/2026.) 01:57:10

8 BY MR. VANDER TUIG: 01:57:10

9 Q Which should be on its way. Let me know 01:57:11

10 when you have that pulled up. 01:57:12

11 A I have it. 01:57:24

12 Q So Exhibit G is another one of your 01:57:25

13 reports for the AHMCT Research Center listing you 01:57:30

14 as an author. This one is dated September 30, 01:57:33

15 2015. It's titled: "Evaluation of the TowPlow, 01:57:39

16 T-o-w-P-l-o-w for Caltrans Operations." 01:57:44

17 Do you see that? 01:57:50

18 A Yes. 01:57:51

19 Q Do you remember this project? 01:57:59

20 A Yes. 01:58:00

21 Q And if you turn to Page 19 of the PDF 01:58:01

22 which is native Page 2 of the document. 01:58:03

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1	A Yes.	01:58:11
2	Q There is a Figure 1 with a photograph of a	01:58:12
3	TowFlow system in its deployed configuration.	01:58:14
4	Do you see that?	01:58:17
5	A Yes.	01:58:18
6	Q This is a trailer-type apparatus that is	01:58:19
7	pulled behind a snow plow, correct?	01:58:27
8	A That's correct.	01:58:31
9	Q At a high level, can you describe how this	01:58:31
10	apparatus worked?	01:58:33
11	A So just to make clear, we did not design	01:58:40
12	this device. We were testing it for Caltrans.	01:58:42
13	The goal of the device's use is to plow more than	01:58:52
14	one lane of snow with a snow plow. And so it's a	01:58:55
15	trailer that's steerable. The truck at the -- you	01:58:59
16	know, the wheels basically at the back of the	01:59:05
17	trailer are steerable, and there's a plow that	01:59:08
18	would reside on that trailer.	01:59:13
19	So the snow plow moves along. It directs	01:59:19
20	the snow that it plows from the truck back	01:59:22
21	to -- and off the road. And at the same time, the	01:59:29
22	trailer is directing snow off the road, so it	01:59:32

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1 Q What were those? 02:00:48

2 A Well, one of the goals years ago was the 02:00:50

3 ability to control the snow plows in whiteout 02:00:59

4 conditions. And so the research center developed 02:01:04

5 sensing technology that went on the snow plows 02:01:11

6 that allowed them to stay in the lanes while they 02:01:19

7 were plowing. 02:01:26

8 Q Anything else? 02:01:27

9 A Similar with huge snow plowers that they 02:01:31

10 use to open up roads that had been closed over the 02:01:36

11 winter. 02:01:38

12 Q So that experience in connection with your 02:01:44

13 evaluation of the TowPlow, is that the sum total 02:01:46

14 of your experience with apparatus involved with 02:01:49

15 plowing snow? 02:01:52

16 A I don't know if it's the sum total of my 02:01:59

17 entire experience. Those are the projects that we 02:02:02

18 directly worked on, to the best of my 02:02:07

19 recollection, at HMCT. 02:02:10

20 Q The TowPlow system that we see in Figure 1 02:02:17

21 of Exhibit G is not a compact utility loader, 02:02:20

22 correct? 02:02:24

1	A	No.	02:02:25
2	Q	No, it isn't, or no, I'm not correct?	02:02:28
3	A	No, it's not a compact utility loader, no.	02:02:30
4	Q	Of these various machines that we looked	02:02:36
5		at in these declarations, which one of these do	02:02:41
6		you believe is closest to the Vermeer compact	02:02:44
7		utility loaders described in the patents that are	02:02:47
8		at issue in these proceedings in your opinion?	02:02:51
9		MR. O'DELL: Objection. Assumes he knows	02:02:57
10		what the Vermeer products are.	02:02:59
11		BY MR. VANDER TUIG:	02:03:03
12	Q	Well, let me back up.	02:03:03
13		You've reviewed the Vermeer patents,	02:03:04
14		right, and you're familiar with what's depicted in	02:03:06
15		those patents, right?	02:03:08
16	A	Yes.	02:03:12
17	Q	So those mini skid steers, those compact	02:03:15
18		utility loaders that are depicted in Vermeer's	02:03:18
19		patents, my question is which of the machines that	02:03:26
20		we've seen in the exhibits that we've looked at	02:03:29
21		relating to your experience with the AHMCT	02:03:32
22		Research Center is most similar to those machines?	02:03:36

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1 Q And did the wheeled device, the robot, did 02:05:26
2 it have loader arms? 02:05:31
3 A No. 02:05:48
4 MR. VANDER TUIG: I don't have any further 02:05:48
5 questions. Thanks for your time. 02:05:50
6 THE WITNESS: Thank you. 02:05:53
7 THE REPORTER: Counsel, do you have any 02:06:02
8 questions. 02:06:05
9 MR. O'DELL: Maybe. I'd like to take a 02:06:06
10 short break and then come back in, say, ten 02:06:08
11 minutes. 02:06:10
12 (A recess was had.) 02:06:13
13 MR. O'DELL: This is David owe Dell. We 02:14:28
14 have no further questions. 02:14:30
15 THE REPORTER: Would you like to go off 02:14:35
16 the record? 02:14:36
17 MR. O'DELL: Yes. 02:14:37
18 (Off the record at 2:15 p.m. CST.) 02:15:15
19
20
21
22

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1 CERTIFICATE OF COURT REPORTER - NOTARY PUBLIC

2 I, Theresa A. Vorkapic, Certified
3 Shorthand Reporter No. 084-2589, CSR, RMR, CRR,
4 RPR, and a Notary Public in and for the County of
5 Kane, State of Illinois, the officer before whom
6 the foregoing deposition was taken, do hereby
7 certify that the foregoing transcript is a true
8 and correct record of the testimony given; that
9 said testimony was taken by me and thereafter
10 reduced to typewriting under my direction; that
11 reading and signing was not requested; and that I
12 am neither counsel for, related to, nor employed
13 by any of the parties to this case and have no
14 interest, financial or otherwise, in its outcome.

15 IN WITNESS WHEREOF, I have hereunto set my
16 hand and affixed my notarial seal this 19th day of
17 January, 2026.

18 My commission expires November 6, 2027.

19 
20 _____

21 THERESA A. VORKAPIC

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