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1	UNITED STATES PATENT AND TRADEMARK OFFICE
2	BEFORE THE PATENT TRIAL AND APPEAL BOARD
4	INTUITIVE SURGICAL, INC.,
5	Petitioner,
6	Total Choron
7	V.
8	
9	ETHICON LLC
10	Patent Owner.
11	
12	Case IPR 2019-00880
13	U.S. Patent 7,490,749 B2
14	<del></del>
15	DEPOSITION OF BRYAN KNODEL, Ph.D.
16	Friday, December 13, 2019
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21	Reported by:
22	Amanda Blomstrom, CSR/CRR/RMR/CLR



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2	The deposition of BRYAN KNODEL, Ph.D.,	
3	was convened on Friday, December 13, 2019,	
4	from 9:04 a.m. to 10:43 a.m., at the offices of	
5	Fish & Richardson, 1717 Main Street, Suite 5000,	
6	Dallas, Texas 75201, before Amanda Blomstrom,	
7	Registered Merit Reporter, Certified LiveNote	
8	Reporter, Certified Realtime Reporter, and	
9	Certified Shorthand Reporter in and for the states	
10	of Texas, California, and Illinois.	
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1	INDEX	
2	PAGE BRYAN KNODEL, Ph.D.	
3	Examination by Mr. Pepe	
4	EXHIBITS	
5	NO. DESCRIPTION REFERRED TO	
6	Exhibit 1001 U.S. Patent No. 7,490,749 6	
7	Exhibit 1003 Declaration of Bryan Knodel 6	
8	Exhibit 1004 United States Patent Application (attached)	
9	Publication No. US2006/0175375	
10	Exhibit 1005 United States Patent Application 38 Publication No. US2005/0178813	
11	Exhibit 1010 U.S. Patent No. 5,941,442 37	
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1	BRYAN KNODEL, Ph.D.,
2	having been first duly sworn, testified as follows:
3	EXAMINATION
4	BY MR. PEPE:
5	Q. Good morning, Dr. Knodel.
6	A. Good morning.
7	Q. Now, you understand you're here today for
8	a deposition for an IPR for U.S. Patent 7,490,749?
9	A. Right.
10	Q. Okay. So I'm just going to hand you a
11	couple of documents before we get going.
12	The first one is your Declaration. Just
13	flip through it; make sure everything's there.
14	MR. FREEMAN: Chris, should we do
15	introductions for the record?
16	THE REPORTER: I'm sorry?
17	MR. FREEMAN: I said, should we do
18	introductions for the record?
19	MR. PEPE: If you want some introductions,
20	we can do introductions.
21	THE REPORTER: It's not necessary.
22	MR. PEPE: If it makes you more



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