# UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE PATENT TRIAL AND APPEAL BOARD INTUITIVE SURGICAL, INC., Petitioner, v. ETHICON LLC, Patent Owner

U.S. Patent No. 8,479,969

IPR2018-01247

DECLARATION OF DR. SHORYA AWTAR



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IX.	PETITIONER HAS NOT DEMONSTRATED THAT ANDERSON IN COMBINATION WITH ANY OF THE REMAINING PRIOR ART REFERENCES RENDERS OBVIOUS THE CHALLENGED CLAIMS OF THE 969 PATENT				



A.	Petitioner Has Not Demonstrated Anderson in View of Timm Renders Obvious Claim 24 of the 969 Patent (Ground 2)36			
	1.	Petitioner Has Not Demonstrated That The Combination Of Anderson And Timm Discloses "A Tool Mounting Portion Operably Coupled To A Distal End Of Said Proximal Spine Portion" (Ground 2, claim 24)		
	2.	A POSITA Would Not Have Utilized Timm's Passive Articulation Joint In The Robotic System Of Anderson (Ground 2, Claim 24)		
	3.	A POSITA Would Not Have Had A Reasonable Expectation Of Success In Combining Anderson's Tool Base With A Handheld Endocutter As Disclosed In Timm (Ground 2, Claim 24)		
		a) A POSITA Would Have Recognized That the Combination of Anderson with Timm's Endocutter Would Require a Re-Design to Provide Sufficient Forces to Drive the Endocutter		
		b) Handheld Endocutters That Are Manually Actuated Operate on Fundamentally Different Principles Than Robotic Tools		
		c) The Publications of Both Patent Owner and Petitioner Confirm that a POSITA Would Not Have Had a Reasonable Expectation of Success		
B.	Petitioner Has Not Demonstrated That The Combination Of Anderson, Timm, And Wallace Renders Obvious Claims 25-26 Of The 969 Patent (Ground 3)			
	1.	Petitioner Has Not Demonstrated That Claim 24 Is Obvious, And Therefore Cannot Demonstrate That Its Dependent Claims Are Obvious		



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### I. INTRODUCTION

- 1. My name is Dr. Shorya Awtar. I have been retained by counsel for Patent Owner Ethicon LLC ("Ethicon") in the above captioned *inter partes* review to consult with counsel, review documents, form opinions, prepare expert declarations, and be available to testify as to my opinions.
- 2. I understand that Petitioner Intuitive Surgical, Inc. ("Intuitive") has asserted that claims 19-22 and 24-26 of U.S. Patent No. 8,479,969 (the "969 Patent") are invalid as obvious. I have been asked to give expert opinions and testimony related to the issue of the validity of claims 19-22 and 24-26 of the 969 Patent, including the background of the technology at issue, and the scope and content of the prior art.
- 3. My opinions are based on reviewing the Petition, Dr. Knodel's declaration (Ex. 1004), the Patent Owner Response, the transcripts of Dr. Knodel's depositions, and the relevant portions of all exhibits cited in any of the foregoing documents and this declaration.
- 4. The opinions I have formed as explained herein are informed by and based on my consideration of the documents listed above, as well as my own



<sup>&</sup>lt;sup>1</sup> I understand that challenged claim 23, which relates to Petitioner's Ground 1, has been disclaimed. *See* Ex. 2002.

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