

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4420129

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ROBB MORSE GAVALIS	04/26/2017
CHRISTOPHER KADAMUS	04/26/2017
ANH MINH DO	04/26/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HOYA CORPORATION
<b>Street Address:</b>	6-10-1 NISHI-SHINJUKU
<b>City:</b>	SHINJUKU-KU, TOKYO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	160-8347
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15581049
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)646-1666
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	617-646-1675
<b>Email:</b>	marlene.richards@finnegan.com
<b>Correspondent Name:</b>	ERIC P. RACITI
<b>Address Line 1:</b>	TWO SEAPORT LANE
<b>Address Line 2:</b>	6TH FLOOR - FINNEGAN HENDERSON
<b>Address Line 4:</b>	BOSTON, MASSACHUSETTS 02210
<b>ATTORNEY DOCKET NUMBER:</b>	12629.0007-00000
<b>NAME OF SUBMITTER:</b>	ERIC P. RACITI, REG. NO. 41,475
<b>SIGNATURE:</b>	/Eric P. Raciti/
<b>DATE SIGNED:</b>	05/17/2017
<b>Total Attachments: 2</b>	
source=Assignment#page1.tif	
source=Assignment#page2.tif	

### ASSIGNMENT

WHEREAS I/We, the below-named inventor(s) (hereinafter referred to as Assignor(s)), of an invention entitled:

#### APPARATUSES AND METHODS FOR ENDOSCOPIC CONNECTION

as disclosed and claimed in the applications identified below this paragraph:

Application Number	Country of Filing	Filing Date
15/581,049	US	April 28, 2017

WHEREAS, **HOYA Corporation**, a corporation of Japan whose post office address is 6-10-1 Nishi-Shinjuku, Shinjuku-ku, Tokyo 160-8347, Japan (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to all applications for patents on this invention in all countries throughout the world, including any PCT International Application and all national stage applications based thereon that may be filed, and all patents issued upon such applications in all countries throughout the world;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, the above-referenced applications that disclose and claim this invention, any PCT International Application and all national stage applications based thereon that may be filed, any other applications for patents filed anywhere in the world that claim this invention, and all divisions, and continuations of any such application, and all patents which may be granted thereon, and all reissues thereof, and all rights to claim priority in any country on the basis of any such applications, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request that any official of any country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

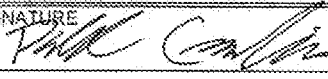
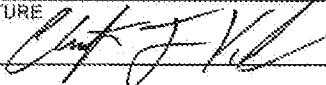

AND, I/WE covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

AND, I/WE authorize and request a patent practitioner of record in this application, to insert the filing date, country of filing, and application number of the above-referenced application(s) when known.

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

SOLE/JOINT INVENTION  
(Worldwide Rights)  
Attorney Docket No. 12629.0007-00000

1. LEGAL NAME OF SOLE OR FIRST INVENTOR Robb Morse GAVALIS	SIGNATURE 	DATE April 26, 2017
MAILING ADDRESS 22 Gary Circle, Westborough, MA 01581		RESIDENCE Westborough, MA
2. LEGAL NAME OF SECOND INVENTOR, IF ANY Christopher KADAMUS	SIGNATURE 	DATE April 26, 2017
MAILING ADDRESS 28 Sunset Hill Road, West Roxbury, MA 02132		RESIDENCE West Roxbury, MA
3. LEGAL NAME OF THIRD INVENTOR, IF ANY Anh Minh DO	SIGNATURE 	DATE April 26, 2017
MAILING ADDRESS Blumenauer Straße 12, 80689 Munich, Germany		RESIDENCE Munich, Germany