

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3281895

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SHARP KABUSHIKI KAISHA	01/30/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	OLYMPUS IMAGING CORP.
<b>Street Address:</b>	43-2, HATAGAYA 2-CHOME
<b>City:</b>	SHIBUYA-KU, TOKYO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	151-0072
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12009577
<b>Patent Number:</b>	8743175
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(732)936-1401
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<b>ATTORNEY DOCKET NUMBER:</b>	OOCL-407
<b>NAME OF SUBMITTER:</b>	JOHN C. POKOTYLO
<b>SIGNATURE:</b>	/John C. POKOTYLO, Reg. No. 36,242/
<b>DATE SIGNED:</b>	03/25/2015
<b>Total Attachments: 3</b>	
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source=Signed Assignment_SHARP#page3.tif	

**ASSIGNMENT**

WHEREAS, **SHARP KABUSHIKI KAISHA**, a corporation of Japan, having a place of business at **22-22, Nagaike-Cho, Abeno-Ku Osaka-shi, Osaka 570-8677, JAPAN** ASSIGNOR

is an assignee of

U.S. Patent Application Serial Number 12/009,577 filed on January 17, 2008, which issued as U.S. Patent Number 8,743,175 on June 3, 2014,

and WHEREAS, **Olympus Imaging Corp.**, a corporation of Japan, having a place of business at **43-2, Hatagaya 2-chome, Shibuya-ku, Tokyo 151-0072, JAPAN**, ASSIGNEE

is desirous of obtaining the entire right, title and interest in, to and under the invention and the application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to ASSIGNOR in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, **SHARP KABUSHIKI KAISHA**, the ASSIGNOR, has sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the invention, the United States application, the United States Patent and all divisions, renewals and continuations (including all continuation-in-part applications) thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models and designs which have been or may hereafter be filed for the invention or claim the benefit of the application or any right of priority to the application, in any and all countries including any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from the United States application under the Patent

Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventor's certificates and designs which may be granted for the invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND SHARP KABUSHIKI KAISHA HEREBY authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND SHARP KABUSHIKI KAISHA HEREBY covenants and agrees that it has full right to convey the entire interest assigned, and that it has not executed, and will not execute, any agreement in conflict herewith.

AND SHARP KABUSHIKI KAISHA HEREBY further covenants and agrees that it will communicate to the ASSIGNEE, its successors, legal representatives and assigns, any facts known to it regarding the invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this  
30th day of January, 2015.

Name: Kiyoshi Yonetsu Kiyoshi Yonetsu  
Title: Division Deputy General Manager of Corporate Research  
on behalf of SHARP KABUSHIKI KAISHA, Assignor and Develop-  
ment Divison, Unit General  
Manager, Intellectual Property  
Center