PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5077614

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
OLYMPUS MEMORY WORKS CORP.	07/10/2018

RECEIVING PARTY DATA

Name:	OLYMPUS CORPORATION
Street Address:	2951 ISHIKAWA-MACHI
City:	HACHIOJI-SHI, TOKYO
State/Country:	JAPAN
Postal Code:	192-8507

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15635849

CORRESPONDENCE DATA

Fax Number: (215)568-6499

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.

Phone: 215-568-6400 Email: ajones@vklaw.com Correspondent Name: RYAN W. O'DONNELL Address Line 1: VOLPE AND KOENIG, P.C.

Address Line 2: 30 SOUTH 17TH STREET, UNITED PLAZA Address Line 4: PHILADELPHIA, PENNSYLVANIA 19103

ATTORNEY DOCKET NUMBER:	OAA-PT034
NAME OF SUBMITTER:	RYAN W. O'DONNELL
SIGNATURE:	/Ryan W. O'Donnell/
DATE SIGNED:	08/01/2018

Total Attachments: 3

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PATENT REEL: 046524 FRAME: 0170 505030863

PATENT ASSIGNMENT

OLYMPUS MEMORY WORKS CORP., a Japanese corporation, having a principal place of business at 3-1, Nishi-Shinjuku 2-chome, Shinjuku-ku, Tokyo 163-0914, Japan and OLYMPUS CORPORATION, a Japanese corporation having a principal place of business at 2951 Ishikawa-machi, Hachioji-shi, Tokyo 192-8507 (collectively referred to herein as the "PARTIES"), are joint owners by assignment of the entire right, title and interest in United States Patent Application Serial Number 15/635,849, filed on June 28, 2017, and entitled IMAGE RETRIEVAL APPARATUS (herein after referred to as the "INVENTION").

OLYMPUS MEMORY WORKS CORP. is desirous of assigning its entire ownership interest in the INVENTION, including all applications for and all letters patent issued on said INVENTION, to OLYMPUS CORPORATION, and OLYMPUS CORPORATION is desirous of acquiring OLYMPUS MEMORY WORKS CORP.'s ownership interest in the INVENTION such that OLYMPUS CORPORATION will be the sole owner of the entire right, title and interest in the INVENTION, including all applications for and all letters patent issued on said INVENTION.

The PARTIES desire to enter into this Patent Assignment (hereinafter referred to as "ASSIGNMENT") covering the INVENTION.

For good and valuable consideration, the receipt and sufficiency of which is acknowledged, OLYMPUS MEMORY WORKS CORP., intending to be legally bound, does hereby sell, assign and transfer to OLYMPUS CORPORATION and OLYMPUS CORPORATION's successors, assigns and legal representatives its entire right, title and interest, legal and equitable, in the INVENTION and all patent applications thereon, including, but not limited to, the application for United States Letters Patent entitled as above, and all divisions and continuations thereof, and in all letters patent, including all reissues and reexaminations thereof, throughout the world, including the right to claim priority under the Paris Convention or other treaty.

1 of 3

It is agreed that the OLYMPUS MEMORY WORKS CORP. shall, upon request of the OLYMPUS CORPORATION, execute any additional instruments proper to carry out the intent of this ASSIGNMENT.

OLYMPUS MEMORY WORKS CORP, warrants that the rights and property herein conveyed are free and clear of any encumbrance.

This ASSIGNMENT may be executed in multiple counterparts, each of which shall be deemed to be an original of this ASSIGNMENT. Additionally, the PARTIES authorize their representatives to collect the signature pages of each executed counterpart and to attach those signature pages to a single copy of this instrument, which single copy and attached signature pages together shall constitute an original of this ASSIGNMENT.

IN WITNESS WHEREOF, each of the PARTIES, intending to be legally bound hereby, has caused this ASSIGNMENT to be executed by its respective duly authorized representative as of the day indicated by its respective signature.

OLYMPUS MEMORY WORKS CORP.

[INSERT NAME] Tetsuya Ichikawa

[INSERT TITLE] President

Place of Execution: Tokyo/Japan

Witnessed by:

[INSERT NAME] Keisuke Kameta

2 of 3

Date: _ 7/10/2018

OLYMPUS CORPORATION

By: M. Kul	Date:	Tul. 19, 2018
Mitsunori Kubo		
General Manager, Intellectual Property PlanningDepartment		
Place of Execution: Tokyo, Japan		
Witnessed by:		

3 of 3

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RECORDED: 08/01/2018

PATENT REEL: 046524 FRAME: 0173