503132651 01/12/2015

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
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| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------|----------------|
| Takuo YOKOTA | 11/21/2014 |
| Rei MATSUNAGA | 11/21/2014 |
| Kunihide KAJI | 11/21/2014 |

RECEIVING PARTY DATA

| Name: | Olympus Medical Systems Corp. | | |
|---|-------------------------------|--|--|
| Street Address: 43-2 Hatagaya 2-chome, Shibuya-ku | | | |
| City: Tokyo | | | |
| State/Country: | Japan | | |
| Postal Code: | 151-0072 | | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14527150 |

CORRESPONDENCE DATA

Fax Number: (703)836-2787

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.

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 703-836-6400
Email: email@oliff.com
Correspondent Name: JAMES A. OLIFF
Address Line 1: OLIFF, PLC

Address Line 2: P.O. BOX 320850

Address Line 4: ALEXANDRIA, VIRGINIA 22320-4850

ATTORNEY DOCKET NUMBER: 163601

NAME OF SUBMITTER: SAMUEL MCLAUGHLIN

SIGNATURE: /Samuel McLaughlin/

DATE SIGNED: 01/12/2015

Total Attachments: 1 source=assgn#page1.tif

PATENT 503132651 REEL: 034685 FRAME: 0941

ASSIGNMENT

| | Insert | (1) | Ta | kuo YOKOTA | (2) | Rei MATSUNAGA | |
|----------|---|---|---|--|---|--|--|
| (1-8) | Name(s) | (3) | Ku | nihide KAJI | (4) | | |
| | of Inventor(s) | (5) | • | | (6) | | |
| | | (7) | | | (8) | | |
| | | the u | dersig | | y of which are h | good and valuable consideration paid to each of ereby acknowledged, each undersigned agrees to | |
| (9) | Insert Name of Assignee | (9) OLYMPUS MEDICAL SYSTEMS CORPORATION | | | | | |
| (10) | Insert Address of Assignee | (10) | 43- | 2 Hatagaya 2-chome, Shibuya- | -ku, Tokyo 151- | 0072 Japan | |
| (11) | , Insert Identification | the er inven conti | atire rig tion, a nuation sions, | ght, title and interest for the Un nd in all applications for patent n, international, confirmation, s reissues and reexamination cer | uited States of A t including any a substitute and rei tificates that ma | irs, successors, assigns and legal representatives, merica as defined in 35 U.S.C. §100, in the and all provisional, non-provisional, divisional, issue application(s), and all Letters Patent, y be granted on the invention known as | |
| | such as Title, Case Number, or Foreign Application Number | | | OLLOW ORGAN USIN | | | |
| | | (Atto | mey I | Docket No. | | | |
| | | | | e undersigned has (have) execu erewith or | uted an applicati | ion for patent in the United States of America on | |
| (12) | Insert Date of Signing | | | | | | |
| | of Application | (12) | on | November 21, 2014 | | | |
| (13) | Alternative | (13) | U.S. | Application Number | 14/527,1 | 50 | |
| | Identification for | | | | | | |
| | filed applications | filed | | October 29, 2014 | | | |
| to execu | ite separate assignments in co | nnectio | n with | such applications and patents | as the Assigner | olication and/or patent for the invention and also e may deem necessary. erference which may be declared concerning any | |

2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or patents for the invention and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.

5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office and other issuing authorities to issue any and all patents resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreement(s) in conflict herewith, and agrees that this assignment is binding on Assignor and Assignor's heirs, successors, assigns and legal representatives.

6) Each undersigned hereby grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

| Date | Nov. 21, 2014 | Inventor Signature | Fakur Yakara | (SEAL) |
|------|---------------|--------------------|---|--------|
| Date | Nov. 21, 2014 | Inventor Signature | Rei Matsimaza | (SEAL) |
| Date | Nov. 21, 2014 | Inventor Signature | Rei Matsunaga Kunuhide Kaji Kunihide Kaji | (SEAL) |
| Date | | Inventor Signature | | (SEAL) |
| Date | | Inventor Signature | | (SEAL) |
| Date | | Inventor Signature | | (SEAL) |
| Date | | Inventor Signature | | (SEAL) |

PATENT REEL: 034685 FRAME: 0942