

PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
INSTITUTE OF NATIONAL COLLEGES OF TECHNOLOGY, JAPAN	09/16/2015
NATIONAL UNIVERSITY CORPORATION NAGAOKA UNIVERSITY OF TECHNOLOGY	09/30/2015
RECEIVING PARTY DATA	
Name:	HITACHI MEDICAL CORPORATION
Street Address:	4-14-1, SOTOKANDA, CHIYODA-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	1010021
PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	8588371
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DATE SIGNED:	10/13/2015
Total Attachments: 6	
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ASSIGNMENT

WHEREAS, **INSTITUTE OF NATIONAL COLLEGES OF TECHNOLOGY, JAPAN**, located at 701-2, Higashiasakawamachi, Hachioji-shi, Tokyo 1930834 Japan; **NATIONAL UNIVERSITY CORPORATION NAGAOKA UNIVERSITY OF TECHNOLOGY**, located at 1603-1, Kamitomiokamachi, Nagaoka-shi, Niigata 9402188 Japan; and **HITACHI MEDICAL CORPORATION**, a corporation organized under the laws of Japan, having its place of business at 4-14-1, Soto-Kanda, Chiyoda-ku, Tokyo 1010021, Japan, are the co-owners, by Assignment, of the **Application Serial No. 13/127,289, filed May 3, 2011, now U.S. Patent No. 8,588,371**, for Letters Patent and Letters Patent of the United States of America, said Assignment recorded on **May 19, 2011 at Reel/Frame 026306/0327**.

WHEREAS, **HITACHI MEDICAL CORPORATION**, is desirous of acquiring all of the rights, title and interest in, to and under the said application for Letters Patents and Letters Patent, and the inventions covered thereby, as now co-owned by **INSTITUTE OF NATIONAL COLLEGES OF TECHNOLOGY, JAPAN; NATIONAL UNIVERSITY CORPORATION NAGAOKA UNIVERSITY OF TECHNOLOGY** and **HITACHI MEDICAL CORPORATION**, from said co-owners.

WHEREAS, **INSTITUTE OF NATIONAL COLLEGES OF TECHNOLOGY, JAPAN** and **NATIONAL UNIVERSITY CORPORATION NAGAOKA UNIVERSITY OF TECHNOLOGY**, are desirous of transferring all of their rights, title and interest in, to and under the said application for Letters Patents and Letters Patent, and the inventions covered thereby, as now co-owned by **INSTITUTE OF NATIONAL COLLEGES OF TECHNOLOGY**,

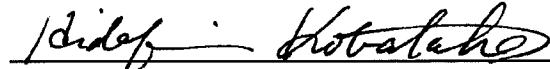
JAPAN; NATIONAL UNIVERSITY CORPORATION NAGAOKA

UNIVERSITY OF TECHNOLOGY and HITACHI MEDICAL CORPORATION,
to said **HITACHI MEDICAL CORPORATION** such that **HITACHI MEDICAL CORPORATION** shall become the sole owner of all rights, title and interest in, to and under the said application for Letters Patents and Letters Patent, and the inventions covered thereby.

NOW, THEREFORE, for good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, the said **INSTITUTE OF NATIONAL COLLEGES OF TECHNOLOGY, JAPAN and NATIONAL UNIVERSITY CORPORATION NAGAOKA UNIVERSITY OF TECHNOLOGY,** has sold, assigned, transferred and set over and does hereby sell, assign, transfer and set over to the said **HITACHI MEDICAL CORPORATION** all of their rights, title and interest in the said inventions, said application for Letters Patents and Letters Patent and any Letters Patents which may be granted thereon, and any reissue or reissues of said Letters Patents which may be granted, the same to be held and enjoyed by said **HITACHI MEDICAL CORPORATION** as its sole owner, for their own use and enjoyment, and for the use and enjoyment of their successors, assigns, or other legal representatives, to the end of the term for which said Letters Patents of the United States are granted or reissued as fully and entirely as the same would have been held and enjoyed by the said **INSTITUTE OF NATIONAL COLLEGES OF TECHNOLOGY, JAPAN; NATIONAL UNIVERSITY CORPORATION NAGAOKA UNIVERSITY OF TECHNOLOGY and HITACHI MEDICAL CORPORATION,** if this assignment and sale had not been made.

Executed this 30 day of Sept., 2015.

Institute of National Colleges of Technology, Japan



Hidefumi KOBATAKE
President

National University Corporation Nagaoka University of Technology

Koichi NIIHARA
President

ASSIGNMENT

WHEREAS, **INSTITUTE OF NATIONAL COLLEGES OF TECHNOLOGY, JAPAN**, located at 701-2, Higashiasakawamachi, Hachioji-shi, Tokyo 1930834 Japan; **NATIONAL UNIVERSITY CORPORATION NAGAOKA UNIVERSITY OF TECHNOLOGY**, located at 1603-1, Kamitomiokamachi, Nagaoka-shi, Niigata 9402188 Japan; and **HITACHI MEDICAL CORPORATION**, a corporation organized under the laws of Japan, having its place of business at 4-14-1, Soto-Kanda, Chiyoda-ku, Tokyo 1010021, Japan, are the co-owners, by Assignment, of the **Application Serial No. 13/127,289, filed May 3, 2011, now U.S. Patent No. 8,588,371**, for Letters Patent and Letters Patent of the United States of America, said Assignment recorded on **May 19, 2011 at Reel/Frame 026306/0327**.

WHEREAS, **HITACHI MEDICAL CORPORATION**, is desirous of acquiring all of the rights, title and interest in, to and under the said application for Letters Patents and Letters Patent, and the inventions covered thereby, as now co-owned by **INSTITUTE OF NATIONAL COLLEGES OF TECHNOLOGY, JAPAN; NATIONAL UNIVERSITY CORPORATION NAGAOKA UNIVERSITY OF TECHNOLOGY** and **HITACHI MEDICAL CORPORATION**, from said co-owners.

WHEREAS, **INSTITUTE OF NATIONAL COLLEGES OF TECHNOLOGY, JAPAN** and **NATIONAL UNIVERSITY CORPORATION NAGAOKA UNIVERSITY OF TECHNOLOGY**, are desirous of transferring all of their rights, title and interest in, to and under the said application for Letters Patents and Letters Patent, and the inventions covered thereby, as now co-owned by **INSTITUTE OF NATIONAL COLLEGES OF TECHNOLOGY**,

JAPAN; NATIONAL UNIVERSITY CORPORATION NAGAOKA

UNIVERSITY OF TECHNOLOGY and HITACHI MEDICAL CORPORATION,

to said **HITACHI MEDICAL CORPORATION** such that **HITACHI MEDICAL CORPORATION** shall become the sole owner of all rights, title and interest in, to and under the said application for Letters Patents and Letters Patent, and the inventions covered thereby.

NOW, THEREFORE, for good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, the said **INSTITUTE OF NATIONAL COLLEGES OF TECHNOLOGY, JAPAN and NATIONAL UNIVERSITY CORPORATION NAGAOKA UNIVERSITY OF TECHNOLOGY,** has sold, assigned, transferred and set over and does hereby sell, assign, transfer and set over to the said **HITACHI MEDICAL CORPORATION** all of their rights, title and interest in the said inventions, said application for Letters Patents and Letters Patent and any Letters Patents which may be granted thereon, and any reissue or reissues of said Letters Patents which may be granted, the same to be held and enjoyed by said **HITACHI MEDICAL CORPORATION** as its sole owner, for their own use and enjoyment, and for the use and enjoyment of their successors, assigns, or other legal representatives, to the end of the term for which said Letters Patents of the United States are granted or reissued as fully and entirely as the same would have been held and enjoyed by the said **INSTITUTE OF NATIONAL COLLEGES OF TECHNOLOGY, JAPAN; NATIONAL UNIVERSITY CORPORATION NAGAOKA UNIVERSITY OF TECHNOLOGY and HITACHI MEDICAL CORPORATION,** if this assignment and sale had not been made.

Executed this 16th day of September 2015.

Institute of National Colleges of Technology, Japan

Hidefumi KOBATAKE
President

National University Corporation Nagaoka University of Technology



Nobuhiko AZUMA
President