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Attorney Docket No.: 053848-5029

To the Commissioner for Patents ATT Please record the attached original documents or copy the	'N: MAIL STOP ASSIGNMENT RECORDATION SERVICES reof.
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
National Institute of Advanced Industrial Science and Technology	Name: 1) Ebara Corporation 2) Nikon Corporation
Additional names of conveying party(ies) attached? ☐ Yes No	Address: 1) 11-1, Haneda Asahi-cho, Ohta-ku, Tokyo 144-8510 Japan 2) 2-3, Marunouchi 3-Chome, Chiyoda-ku, Tokyo 100-8331 Japan
3. Nature of conveyance:	Additional name(s) & address(es) attached?
4. New Application number(s) or patent number(s): If this document is being filed together with a new application the execution date of the application is:	
A. Patent Application No.(s) B. 11/795,697 Additional numbers attached: □Yes ☒No	Patent No.(s) MAY - 6 200 %
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1
Name: Robert J. Gaybrick Internal Address: Morgan, Lewis & Bockius LLP Customer No. 09629 Street Address: 1111 Pennsylvania Ave., N.W. City: Washington State: DC Zip: 20004	 7. Total fee (37 C.F.R. §3.41): _\$40.00
copy of the original document. Robert J. Goodell, Ph.D. Name of Person Signing Signature	ormation is true and correct and any attached copy is a true May 6, 2008 Date umber of pages in organizations shall as a company of the co
G1 FC-9821 49.00 DA	

ASSIGNMENT

THIS ASSIGNMENT AGREEMENT is by and between National Institute of Advanced Industrial Science and Technology, a corporation of Ibaraki, Japan and having a mailing address of 16-1, Onogawa, Tsukuba-shi, Ibaraki 305-8569, Japan and Ebara Corporation, a corporation of Tokyo, Japan and having a mailing address of 11-1 Haneda Asahi-cho, Ohta-ku, Tokyo 144-8510, Japan and Nikon Corporation, a corporation of Tokyo, Japan and having a mailing address of 2-3, Marunouchi 3-Chome, Chiyoda-ku, Tokyo 100-8331, Japan.

WHEREAS by assignment recorded in the United States Patent and Trademark Office for U.S. Patent Application 11/795,697, which is a national stage entry application based on PCT/JP2005/024001, National Institute of Advanced Industrial Science and Technology owns partial title and interest in and to U.S. Patent Application 11/795,697, and in and to all applications filed, or that may be filed, claiming priority based on U.S. Patent Application 11/795,697;

WHEREAS, Ebara Corporation and Nikon Corporation are desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to issue upon this application;

NOW THEREFORE, be it known that, for and in consideration of good and valuable consideration the receipt of which is hereby acknowledged, National Institute of Advanced Industrial Science and Technology hereby sell, assign, transfer, and set over in equal share unto Ebara Corporation and Nikon Corporation, their lawful successors and assigns, the entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and further hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to Ebara Corporation and Nikon Corporation, their lawful successors and assigns, in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, National Institute of Advanced Industrial Science and Technology has caused this ASSIGNMENT AGREEMENT to be duly signed.

BY: National Institute of Advanced Industrial Science and Technology

(Company Name)

Misashi Mitsuestii (Signature)

Yasushi MITSUISHI Director Intellectual Property Department
Typed name and Title of Person Signing

RECORDED: 05/06/2008

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> PATENT REEL: 020935 FRAME: 0300

Date: 6th Feb 2008.