


Client Code: ASMJP.221AUS

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

To the Director, U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): (List using letters or numbers for multiple parties)</p> <p>ASM JAPAN K.K.</p> <p>Additional name(s) of conveying party(ies) attached?</p> <p>() Yes (X) No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: ASM IP Holding B.V.</p> <p>Street Address: Versterkerstraat 8</p> <p>City: Almere</p> <p>ZIP: 1322 AP</p> <p>Country: The Netherlands</p> <p>Additional name(s) of receiving party(ies) attached?</p> <p>() Yes (X) No</p>
<p>3. Nature of conveyance:</p> <p>(X) Assignment () Security Agreement</p> <p>() Merger () Change of Name</p> <p>() Other:</p> <p>Execution Date: (List as in section 1 if multiple signatures)</p> <p>May 6, 2011</p>	<p>4. US or PCT Application number(s) or US Patent number(s):</p> <p>(X) Patent No.: 7,831,315</p> <p>Issue Date: November 9, 2010</p> <p>Additional numbers attached?</p> <p>() Yes (X) No</p>
<p>5. Party to whom correspondence concerning document should be mailed:</p> <p>Customer No. 20,995</p> <p>Address: Knobbe, Martens, Olson & Bear, LLP 2040 Main Street, 14th Floor Irvine, CA 92614</p> <p>Return Fax: (949) 760-9502</p> <p>Attorney's Docket No.: ASMJP.221AUS</p>	<p>6. Total number of applications and patents involved: 1</p>
<p>7. Total fee (37 CFR 1.21(h)): \$40</p> <p>(X) Authorized to be charged to deposit account</p>	<p>8. Deposit account number: 11-1410</p> <p>Please charge this account for any additional fees which may be required, or credit any overpayment to this account.</p>
<p>9. Statement and signature.</p> <p>To the best of my knowledge and belief, the foregoing information is true and correct, and any attached copy is a true copy of the original document.</p> <p><u>Aaron M. Davis</u> Name of Person Signing</p> <p><u></u> Signature</p> <p><u>June 21, 2011</u> Date</p> <p>62,027 Registration No.</p> <p>Total number of pages including cover sheet, attachments and document: 4</p>	

Documents transmitted via Facsimile to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services
 Director, U.S. Patent and Trademark Office
 P.O. Box 1450
 Alexandria, VA 22313-1450
Facsimile Number: (571) 273-0140

11457761
062111

700465708

PATENT
REEL: 026476 FRAME: 0462

CH \$40.00 111410 783131

Patent No.: 7,831,315
Issue Date: November 9, 2010

PATENT
Client Code: ASMJP.221AUS
Page 1

ASSIGNMENT

WHEREAS, **ASM JAPAN K.K.**, a company organized under the law of Japan, having its registered office at Nagayama 6-32-1, Tama-shi, Tokyo, Japan (hereinafter "ASSIGNOR"), represents and warrants that it is the sole owner of the entire right, title, and interest to certain new and useful improvements for which ASSIGNOR has filed the following United States issued Letters Patent in the United States (hereinafter "the Patent"):

<u>Patent No.</u>	<u>Issue Date</u>	<u>Title</u>
7,831,315	November 9, 2010	METHOD FOR CONTROLLING SEMICONDUCTOR-PROCESSING APPARATUS

WHEREAS, **ASM IP Holding B.V.**, a private limited liability company, whose statutory seat is in Almere, The Netherlands, and whose registered office is at Versterkerstraat 8, 1322 AP, Almere, The Netherlands (hereinafter "ASSIGNEE") desires to purchase the entire right, title, and interest in and to the inventions disclosed in the Patent;

NOW, THEREFORE, in consideration of good and valuable consideration as set forth in a Patent and Know-How Assignment Agreement of December 30, 2010, the receipt of which is hereby acknowledged, ASSIGNOR hereby further acknowledges that it has sold, assigned, and transferred, and by these presents does hereby sell, assign, and transfer, unto ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title, and interest throughout the world in, to, and under the said improvements, and the said Patent and all Patents that may be granted thereon, and all provisional applications relating thereto, and all divisions, continuations, reissues, reexaminations, renewals, and extensions thereof; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements and all Letters Patents resulting from the Patent to ASSIGNEE, its successors, legal representatives, and assigns, in accordance with the terms of this Agreement.

ASSIGNOR does hereby sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of the said Patents before or after issuance;

ASSIGNOR hereby covenants and agrees that it will communicate to ASSIGNEE, its successors, legal representatives, and assigns any facts known to ASSIGNOR respecting the Patent immediately upon becoming aware of those facts, and that it will testify in any legal proceeding involving the Patent, will sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths, and will generally do everything possible to aid ASSIGNEE, its successors, legal representatives, and assigns to obtain and enforce the Patent.

ASM JAPAN K.K.

Patent No.: 7,831,315
Issue Date: November 9, 2010

PATENT
Client Code: ASMJP.221AUS
Page 2

By: 

Name Printed: Tominori Yoshida _____

Title: General Manager

Date: May 6, 2011Witnessed by: J. MorimotoWitness name: Junya Morimoto

Patent No.: 7,831,315
Issue Date: November 8, 2010

PATENT
Client Code: ASMJP.221AUS
Page 3

ASM IP Holding B.V.

By: P. P.

Name Printed: Peter van Damme

Title: CFO

Date: May 30, 2011

Witnessed by: [Signature]

Witness name: Todd Westersund

ASSIGN3

11132290
042811