

05-14-2004

Client Code: ASMJP.148AUS

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To the Director, U.S. Patent and Trademark

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ginal documents or copy thereof.

<p>1. Name of conveying party(ies): (List using letters or numbers for multiple parties)</p> <p style="text-align: center;"><b>Baiei KAWANO</b> <i>5-704</i></p> <p>Additional name(s) of conveying party(ies) attached?</p> <p style="text-align: center;">( ) Yes (X) No</p>	<p>2. Name and address of receiving party(ies):</p> <p><b>Name:</b> ASM JAPAN K.K.</p> <p><b>Address:</b> 23-1, 6-chome, Nagayama, Tama-shi Tokyo 206-0025 Japan</p> <p>Additional name(s) of receiving party(ies) attached?</p> <p style="text-align: center;">( ) 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 style="text-align: center;">May 7, 2004</p>	<p>4. Application number(s) or Patent number(s):</p> <p>(X) Application(s) filed herewith</p> <p>Execution Date(s): May 7, 2004</p> <p>Additional numbers attached?</p> <p style="text-align: center;">( ) Yes (X) No <i>10841794</i></p>
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p><b>Name:</b> Katsuhiro Arai</p> <p><b>KNOBBE MARTENS OLSON &amp; BEAR LLP</b></p> <p>2040 Main Street</p> <p>Fourteenth Floor</p> <p>Irvine, CA 92614</p> <p><b>Customer No.</b> 20,995</p> <p><b>Return Fax:</b> (949) 760-9502</p> <p><b>Attorney's Docket No.:</b> ASMJP.148AUS</p>	<p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 CFR 1.21(h)): \$40.00</p> <p>(X) Enclosed</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 style="text-align: center;"><u>Katsuhiro Arai</u></p> <p>Name of Person Signing <span style="margin-left: 150px;"><i>Katsuhiro Arai</i></span> <span style="margin-left: 150px;">May 7, 2004</span></p> <p style="text-align: center;">Signature <span style="margin-left: 150px;">Date</span></p> <p style="text-align: center;"><u>43,315</u></p> <p style="text-align: center;">Registration No.</p> <p style="text-align: center;">Total number of pages including cover sheet, attachments and document: 2</p>	

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ASSIGNMENT

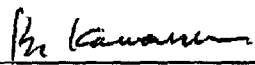
WHEREAS, I, Baiei KAWANO, a Japanese citizen, residing at 23-1, 6-chome, Nagayama, Tama-shi, Tokyo 206-0025 Japan, have invented certain new and useful improvements in a THIN-FILM DEPOSITION APPARATUS for which we have executed an application for Letters Patent in the United States, on even date herewith;

AND WHEREAS, ASM JAPAN K. K. (hereinafter "ASSIGNEE"), a Japan Corporation, with its principal place of business at 23-1, 6-chome, Nagayama, Tama-shi, Tokyo 206-0025 Japan, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said 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 application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant and agree that I will communicate to the said ASSIGNEE, successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

This 7 day of May, 2004

  
Baiei KAWANO

  
Witness

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