

09-21-2001

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TO THE ASSISTANT COMMISSIONER FC

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al documents or copy thereof.

1. Name of conveying parties: (If multiple assignors, list numerically)

1. Akira Shimizu 2. Mikio Shimizu

Additional name(s) of conveying party(ies) attached?

() Yes (X) No

2. Name and address of receiving party:

Name: ASM JAPAN K. K.**Address:** 23-1, 6-chome, Nagayama, Tama-shi
Tokyo 206-0025 Japan

Additional name(s) of receiving party(ies) attached?

() Yes (X) No

3. Nature of conveyance:

- (X) Assignment
() Merger
() Security Agreement
() Change of Name
() Other:

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above) 1. 06/22/01 2. 06/20/01

4. Application number(s) or Patent number(s):

() Application(s) filed herewith
Execution Date(s):☒ Patent Application No.: 09/860,800
Filing Date: May 18, 2001() Patent No.:
Issue Date:

Additional numbers attached? () Yes (X) No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Gordon H. Olson
Knobbe, Martens, Olson & Bear, LLP
Customer No. 20,995
Internal Address: Sixteenth Floor
Street Address: 620 Newport Center Drive
City: Newport Beach **State:** CA **ZIP:** 92660
Attorney's Docket No.: ASMJP.094AUS

7. Total fee (37 CFR 1.21(h)): \$40.00

(X) Enclosed

() Authorized to be charged to deposit account

8. Deposit account number: 11-1410

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: 1

9. Statement and signature.

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.

Katsuhiko Arai

Name of Person Signing

Signature

September 19, 2001

Date

43,315

Registration No.

Total number of pages including cover sheet, attachments and document: 2

Mail documents to be recorded with required cover sheet information to

09/24/2001 6TON11 00000020 09860800

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1213 Jefferson Davis Highway, Suite 320
Arlington, VA 22202

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PATENT
REEL: 012174 FRAME: 0138

ASSIGNMENT

WHEREAS, We, Akira Shimizu, a Japanese citizen, residing at 23-1, 6-chome, Nagayama, Tama-shi, Tokyo 206-0025 Japan, and Mikio Shimizu, a Japanese, residing at 23-1, 6-chome, Nagayama, Tama-shi, Tokyo 206-0025 Japan, have invented certain new and useful improvements in a SEMICONDUCTOR-MANUFACTURING DEVICE which we have filed an application for Letters Patent in the United States, on May 18, 2001 as Application Serial No. 09/860,800;

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, we, the said inventors, do hereby acknowledge that we 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 we 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 WE HEREBY covenant and agree that we 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 22 day of June, 2001

Akira Shimizu
Akira Shimizu

This 20 day of June, 2001

Mikio Shimizu
Mikio Shimizu

Shuichi Kizaki
Witness

Witness