

06-27-2001



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TO THE ASSISTANT COMMISSIONER FO

documents or copy thereof.

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

1. Akira Shimizu
2. Fumitoshi Ozaki

06/14/01

Additional name(s) of conveying party(ies) attached?  
( ) Yes (X) No

2. Name and address of receiving party(ies):

Name: ASM JAPAN K.K.  
Internal Address:  
Street Address: 23-1, 6-chome, Nagayama  
City: Tami-shi, Tokyo Country: Japan ZIP: 206-005

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. June 5, 2001  
1. June 5, 2001

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

- (X) Application(s) filed herewith  
Execution Date(s): June 5, 2001  
( ) Patent Application No.: 89/881255  
Filing Date:

- ( ) 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: Joseph J. Mallon  
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.095AUS

7. Total fee (37 CFR 3.41): \$40

- (X) Enclosed  
(X) Authorized to be charged to deposit account if any additional fees are required, or to credit any overpayment

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.

Joseph J. Mallon  
Name of Person Signing

Signature

Date June 14, 2001

39,287  
Registration No.

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

Mail documents to be recorded with required cover sheet information to:

U.S. Patent and Trademark Office  
Attn: Assignment Division  
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061401

Application No.: Unknown  
Filing Date: Herewith

PATENT  
Client Code: ASMJP.095AUS  
Page 1

### ASSIGNMENT

WHEREAS, We, Akira Shimizu, a Japanese citizen, residing at 23-1, 6-chome, Nagayama, Tami-shi, Tokyo 206-0025 Japan, and Fumitoshi Ozaki, a Japanese citizen, residing at 23-1, 6-chome, Nagayama, Tami-shi, Tokyo 206-0025 Japan, have invented certain new and useful improvements in a METHOD FOR MANUFACTURING A SEMICONDUCTOR DEVICE for which we have executed an application for Letters Patent in the United States, herewith;

AND WHEREAS, ASM JAPAN K.K. (hereinafter "ASSIGNEE"), a Japanese Corporation, with its principal place of business at 23-1, 6-chome, Nagayama, Tami-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, its 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.

DATED: June 5, 2001

Akira Shimizu  
Akira Shimizu

DATED: June 5, 2001

Fumitoshi Ozaki  
Fumitoshi Ozaki

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