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TO THE ASSISTANT COMMISSIONER FOR

1 documents or copy thereof.



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

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

1. Hideaki Fukuda
2. Hiroki Arai
3. Yu Yoshizaki

Name: ASM JAPAN K.K.

Address: 32-1, 6-chome, Nagayama, Tama-shi, Tokyo
206-0025 Japan

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

() Yes (X) No

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

() Yes (X) No

3. Nature of conveyance:

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

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

(X) Application(s) filed herewith
Execution Date(s): All on May 10, 2000() Patent Application No.:
Filing Date:() Patent No.:
Issue Date:

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above) 1. May 10, 2000 2. May 9, 2000 3. May 10, 2000

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 060AUS

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

Gordon H. Olson
Name of Person Signing

Gordon H. Olson
Signature

May 15, 2000
Date

20,319
Registration No.

Total number of pages including cover sheet, attachments and document: 3

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

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Assistant Commissioner for Patents
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Washington, D.C. 20231

16679 U.S. PTO
09/570195
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Application No.: Unknown
Filing Date: Herewith

PATENT
Client Code: ASMP.060AUS
Page 1

ASSIGNMENT

WHEREAS, We, Hideaki Fukuda, a Japanese citizen, residing at 23-1, 6-chome, Nagayama, Tama-shi, Tokyo 206-0025 Japan, Hiroki Arai, a Japanese, residing at 23-1, 6-chome, Nagayama, Tama-shi, Tokyo 206-0025 Japan, and Yu Yoshizaki, 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 METHOD OF FORMING FILM ON SEMICONDUCTOR SUBSTRATE IN FILM-FORMING APPARATUS which we have filed 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, 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 10 day of May, 2000

Hideaki Fukuda
Hideaki Fukuda

This 9 day of May, 2000

Hiroki Arai
Hiroki Arai

Yu Yoshizaki
Witness

Witness

Application No.: Unknown.
Filing Date: Herewith

PATENT
Client Code: ASMJP.060AUS
Page 2

This 10 day of May, 2000

Yu Yoshizaki
Yu Yoshizaki

Shinichi Kijasei
Witness

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RECORDED: 05/15/2000

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