

04-18-2002



TO THE ASSISTANT COMMISSIONER FOR P.

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uments or copy thereof.

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

1)Takayuki Yamagishi  
2)Masaei Suwada  
3)Takeshi WatanabeAdditional 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: 23-1, 6 Chome, Nagayama Tama-shi,  
TOKYO 206-0025 JAPANStreet Address: 23-1, 6 Chome, Nagayama Tama-shi,  
TOKYO 206-0025 JAPAN

City: State: ZIP:

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) March 29, 2002; 2) March 29, 2002; 3) March 29, 2002

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

( ) Application(s) filed herewith Execution Date(s):

(X) Patent Application No.: 10/072,620  
Filing Date: February 8, 2002( ) 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.103AUS

7. Total fee (37 CFR 1.21(h)): \$40

(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

Signature

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:

04/18/2002 DBYRME 00000252 10072620  
01 FC:581 40.00 OP  
H:\DOCS\KFS\KFS-1404.DOC 041202U.S. Patent and Trademark Office  
Attn: Assignment Division  
Crystal Gateway-4  
1213 Jefferson Davis Highway, Suite 320  
Arlington, VA 22202PATENT  
REEL: 012788 FRAME: 0502

**ASSIGNMENT**

WHEREAS, We, Takayuki Yamagishi, a Japanese citizen, residing in Tokyo, Japan, Masaei Suwada, a Japanese citizen, residing in Tokyo, Japan; Takeshi Watanabe, a Japanese citizen, residing in Tokyo, Japan, have invented certain new and useful improvements in a SEMICONDUCTOR PROCESSING APPARATUS COMPRISING CHAMBER PARTITIONED INTO REACTION AND TRANSFER SECTIONS for which we have filed an application for Letters Patent in the United States, 10/072,620, Filed February 8, 2002;

AND WHEREAS, ASM Japan K.K. (hereinafter "ASSIGNEE"), a Japanese 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, his 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 provisional applications relating thereto, 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, his 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, his 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, his successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 29 day of March, 2002

Takayuki Yamagishi  
Takayuki Yamagishi

EXECUTED this 29 day of March, 2002

WITNESS SIGNATURE

[Signature]

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 29 day of March, 2002.

Masaei Suwada.  
Masaei Suwada

EXECUTED this 29 day of March, 2002

Witness Signature  
WITNESS SIGNATURE

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 29 day of March, 2002.

Takeshi Watanabe  
Takeshi Watanabe

EXECUTED this 29 day of March, 2002

Witness Signature  
WITNESS SIGNATURE

ASSIGN2  
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