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To the Hon, Commissioner of Patents and Trademarks Attach bar-code label here: Please record the attached original or copy thereof Docket No. JG-SU-4795 Name of Conveying Party(ies): Yoshiharu TOYAMA, Akikazu KURODA, Tokuji KIYAMA, 1-Sumio KIDA, Shunji YOSHIDA, Takashi YAMAMOTO and **Tetsuva ATSUMI** 2-Mitsubishi Materials Silicon Corporation and Name of Receiving Party(ies): Mitsubishi Materials Polycrystalline Silicon Corporation 5-1, Ohtemachi 1-chome, Chiyoda-ku, Address of Receiving Party(ies): Tokyo, JAPAN respectively 3-Nature of Conveyance: 4-Application number(s) or Patent number(s): **Assignment** [X] If this document is being filed together with a Change of Name new application, the execution date of the [] Merger application is: **Security Agreement** Other: A) Application number(s): 09/085,750 **EXECUTION DATE:** June 15, 1998 Patent number(s): 6-Total number of applications and patents 5-Name and Address of party to whom involved: one correspondence concerning document should be mailed: 7-TOTAL FEE (37 CFR 3.41): \$40.00 Jules E. Goldberg, Esq. [X] Enclosed (The Commissioner is hereby authorized to McAulay Nissen Goldberg Kiel & Hand, LLP charge the deposit account any additional fees required or to 261 Madison Avenue credit any overpayment to Deposit Account No: 13-0025.) New York, NY 10016-2391 [] Authorized to be charged to Deposit Account (212)986-4090 8-Deposit Account No: 13-0025 DO NOT USE THIS SPACE 윰 9-Statement and Signature To the best of my knowledge and belief, the foregoing information is the and correct and any attached copy is a true copy of the original document. Jules E. Goldberg 爾ust 7, 1998 Reg. No.: 24,408 Signature Name of Person Signing Total number of pages including cover sheet, attachments, and documents:

ASSIGNMENT - PATENT APPLICATION UNITED STATES OF AMERICA

	Whereas, I/We	(1) <u>Takashi YAMAMOTO an</u>	d Tetsuya ATSU	MI
of (2)	/o Mitsubishi Ma	terials Polycrystallir	e Silicon Corp	oration, 5, Mitacho,
Y	okkaichi, Mie, J	Tapan		(hereinafter "Assignor")
have invent	ted certain new and u	seful improvements in		
	THOD AND APPARAT	TUS FOR FEEDING A GAS F	OR EPITAXIAL G	ROWTH
Letters Pate		es of America (4) is about		
_	And Whereas, (MITSUBISHI MATERIALS	POLYCRYSTALLI	RATION <u>NE SILICON CORPORATION</u> of(6)
5	-1, Ohtemachi 1. , Mitacho, Yokka	chome, Chiyoda-ku, Tok ichi, Mie, Japan	yo, Japan	(hereinafter "Assignee")
		terest therein and in the Letters		
	Now, therefore,	be it known by all whom it r	nay concern, that fo	r good and valuable consideration (t
sufficiency	of which is hereby ac	knowledged) the Assignor has a	ssigned, transferred a	nd set over, and by these presents do
assign, tran	sfer and set over unto	the said Assignee for the territ	ory of the United St	tates of America, the full and exclusi
right, title,	and interest in and to	the said invention, as fully set	forth and described	in the specification.
A. pre	pared and executed or	1 (8) June 15, 1998		
(7) B. file	d in as PCT Internat	ional Patent Appl. No. (9)		on (10)
including a	ny division, continuat	ion, substitute or renewal applic	ation thereof; said in	evention, application and Letters Pate
to be held	and enjoyed by the sa	d Assignee to the full end of th	e term for which said	d Letters Patent is granted, as fully a
entirely as	the same would have	been held by the Assignor had	this assignment and	transfer not been made.
	Assignor hereby	authorizes and requests the Co	ommissioner of Pater	nts and Trademarks to issue any and a
such Letter	rs Patent for said inve	ntion to said Assignee.		
	In testimony w	hereof, the Assignor has hereun	to set his hand this	
(11)	15 th	day ofTune		19 <u>_9.8</u> .
WITNESS:	:		INVEN	TOR(S):
			(1) Tokashi	Jamanto Takashi YAMAMOTO
***************************************		-	(2) Tetsuya	Alsumi Tetsuya ATSUMI
•		McAULAY FISHER NISSEN		KIEL

Telephone: (212) 986-4090 Telecopier: (212) 818-9479

INSTRUCTIONS FOR EXECUTION OF ASSIGNMENT

- 1. Inventor(s) name(s)
- 2. Inventor(s) address(es)
- 3. Title of invention
- 4. Select appropriate box

- (See corresponding numbers in document)
- 5. Assignee's name
- 6. Assignee's address
- 7. Select one of these phrases, A or B
- 8. Execution date of Declaration
- Number of PCT Application
 Filing date of PCT Application
- 11. Date on which assignment is signed

PATENT

Telex: 427294

REEL: 9373 FRAME: 0569

ASSIGNMENT - PATENT APPLICATION

UNITED STATES OF AMERICA Yoshiharu TOYAMA, Akiakzu KURODA, Tokuji KIYAMA, Whereas, I/We (1) Sumio KIDA and Shunji YOSHIDA of (2) c/o Mitsubishi Materials Silicon Corporation, 5-1, Ohtemachi 1-chome, (hereinafter "Assignor") Chivoda-ku. Tokvo. Japan have invented certain new and useful improvements in METHOD AND APPARATUS FOR FEEDING A GAS FOR EPITAXIAL GROWTH for which application for Letters Patent in the United States of America (4) | is about to be filed. | has been filed. MITSUBISHI MATERIALS SILICON CORPORATION
And Whereas, (5) MITSUBISHI MATERIALS POLYCRYSTALLINE SILICON CORPORATION Ohtemachi 1-chome, Chiyoda-ku Tokyo, Japan itacho, Yokkaichi, Mie, Japan (hereinafter "Assignee") is/are desirous of acquiring an interest therein and in the Letters Patent to be obtained therefor: Now, therefore, be it known by all whom it may concern, that for good and valuable consideration (the sufficiency of which is hereby acknowledged) the Assignor has assigned, transferred and set over, and by these presents does assign, transfer and set over unto the said Assignee for the territory of the United States of America, the full and exclusive right, title, and interest in and to the said invention, as fully set forth and described in the specification. June 15, 1998 A. prepared and executed on (8) (7) B. filed in the U.S. Patent and Trademark Office under Serial No. (9) ______ on (10) ____ including any division, continuation, substitute or renewal application thereof; said invention, application and Letters Patent to be held and enjoyed by the said Assignee to the full end of the term for which said Letters Patent is granted, as fully and entirely as the same would have been held by the Assignor had this assignment and transfer not been made. Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent for said invention to said Assignee. In testimony whereof, the Assignor has hereunto set his hand this (11)____ day of ___June WITNESS: Tokuji KIYAMA eskemio Kida Sumio KIDA

MCAULAY FISHER NISSEN GOLDBERG & KIEL

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