Docket No.: 004480/ETCH/SILICON ET U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office State: CA ZIP: 95054 6-27-01 B. Patent No.(s) ☐ Yes ☐ No credited or debited to deposit account

FORM PTO-1595 (Modified) 07-19-2001 (Rev 6-93) OMB No. 0651-0011 (exp. 4/94) Copyright 1994-97 LegalStar P08/REV02 Tab settings → → 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): 00 21 01 Shashank Deshmukh 06 21 61 David Mui Name: Applied Materials, Inc. Jeffrey D. Chinn 06 2001 Dragan V. Podlesnik Internal Address: Additional names(s) of conveying party(ies) ☐ Yes 🔀 No Nature of conveyance: Street Address: 3050 Bowers Ave. ★ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name Other City: Santa Clara Execution Date: Application number(s) or registration numbers(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) Additional numbers attached? 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: Patent Counsel 7. Total fee (37 CFR 3.41):....\$ 40.00 Internal Address: Applied Materials, Inc. Enclosed - Any excess or insufficiency should be **Legal Affairs Department** Authorized to be charged to deposit account M/S 2061 Street Address: P.O. Box 450A 8. Deposit account number: 50-1074 City: Santa Clara State: CA ZIP: 95052 DO NOT USE THIS SPACE 07/18/2001 ANNED1 00000098 501074 09893859 9066654ent and signature To the best of my knowledge and belief, the foregoing information is true and correct and apy attached copy is a true copy of the original document. Robert W. Mulcahy Reg. No. 25,436 Name of Person Signing Signature Daté Total number of pages including cover sheet, attachments, and document

REEL: 011980 FRAME: 0406

WHEREAS:

Names and Addresses

of Inventors:

1)	Shashank Deshmukh 2168 Pettigrew Drive San Jose, CA 95148	2)	David Mui 1848 Sheri Ann Circle San Jose, CA 95131
3)	Jeffrey D. Chinn 605 St. Croix Lane Foster City, CA 94404	4)	Dragan V. Podlesnik 1736 San Creek Drive #209 Palo Alto, CA 94304
5)		6)	

(hereinafter referred to as Assignors), have invented a certain invention entitled:

HIGH RESIST-SELECTIVITY ETCH FOR SILICON TRENCH ETCH APPLICATIONS

for which application for Letters Patent in the United States was executed on even date herewith; and

WHEREAS, Applied Materials, Inc., a corporation of the State of Delaware, having a place of business at 3050 Bowers Avenue, Santa Clara, California 95054 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

- 1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.
- 2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or

1 of 2

- 3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.
- 4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1)	<u>6/2 (</u> , 2001	S. Desell
		Shashank Deshmukh
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4)	, 2001	Dragan V. Podlesnik

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PATENT REEL: 011980 FRAME: 0409 5

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PATENT REEL: 011980 FRAME: 0411

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PATENT REEL: 011980 FRAME: 0413

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,		Shashank Deshmukh
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4 \	6.25.2001 2001 5	DEFINI

Dragan V. Podlesnik

RECORDED: 06/27/2001