ginal documents or copy thereof

101750534

To the Honorable Commissioner of Patents

Name of conveying party(ies)

Docket No.: 004086 USA/ETCH/CORE TECH

Tony S. Kaushal Shamouil Shamouilian Harshad Borgaonkar Kwok Manus Wong Michael G. Chafin

Ashish Bhatnagar

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

Nature of conveyance:

[X] Assignment

[] Merger

[] Security Agreement [] Change of Name

[] Other

Execution Date: 5-21-0/

Street Address: P.O. Box 450A

Name: Applied Materials, Inc.

Mail Stop 2061

City: Santa Clara State: CA ZIP: 95052

Name and address of receiving party(ies)

Internal Address: Legal Affairs Department

Additional name(s) & address(es) attached? [] Yes [X] No

Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: 6-1-01

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? [] Yes [X] No

Name and address of party to whom correspondence concerning document should be mailed:

Patent Counsel Name:

APPLIED MATERIALS, INC.

Legal Affairs Department, M/S 2061

Address:

01 FC:581

P.O. Box 450A

Santa Clara, California 95052

Total number of applications and patents involved: $\underline{1}$

Total fee (37 CFR 3.41)..... \$ 40.00

[] Enclosed

[X] Authorized to be charged to deposit account

Please charge any additional fees or credit any overpayments to our Deposit account number.

(Attach duplicate copy of this page if paying by deposit account)

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Robert W. Mulcahy, Reg. No. 25,436

Name of Person Signing

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Washington, U.C. 20231

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REEL: 011888 FRAME: 0393

WHEREAS:

Names and Addresses of Inventors:

- 1) Tony S. Kaushal, 10416 Prune Tree Lane Cupertino, CA U.S.A. 95014
- 2) Shamouil Shamouilian 6536 Little Falls Drive San Jose, California U.S.A. 95120
- 3) Harshad Borgaonkar 560 Mill Creek Lane #212 Santa Clara, CA U.S.A. 95054
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- 5) Michael G. Chafin 4120 Manzanita Drive San Jose, California U.S.A. 95117
- 6) Ashish Bhatnagar 1235 Wildwood Avenue #212 Sunnyvale, CA U.S.A. 95089

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

"HEATED CATALYTIC TREATMENT OF EFFLUENT GAS FROM A SUBSTRATE FABRICATION PROCESS"

[X]	is attached hereto,	
[]	was filed on	, under Serial No,
execut	ted 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

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- 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 additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefor and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions, and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.
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- 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)	May 21, 2001	Tony S. Kaushal	
2)		Shamouil Shamouilian	

3)		
	Harshad Borgaonkar	
4)		
,	Kwok Manus Wong	
E)		
5)	Michael G. Chafin	The state of the s
6)		
	Ashish Bhatnagar	

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3)		
,	Harshad Borgaonkar	
4)		
	Kwok Manus Wong	
-		
5)	Michael G. Chafin	
6)		
	Ashish Bhatnagar	

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2)	Shamouil Shamouilian

3)	5/21/01	H.M.Borgaroukaz	
·		Harshad Borgaonkar	
4)			
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5)			
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6)			
6)		Ashish Bhatnagar	

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		NWOK Marius Worly
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