

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Ing-Yann Albert Wang</td><td>12/21/2005</td></tr><tr><td>Mohammad Kamarehi</td><td>12/21/2005</td></tr></tbody></table>	Name	Execution Date	Ing-Yann Albert Wang	12/21/2005	Mohammad Kamarehi	12/21/2005	
Name	Execution Date						
Ing-Yann Albert Wang	12/21/2005						
Mohammad Kamarehi	12/21/2005						
RECEIVING PARTY DATA							
Name:	Lam Research Corporation						
Street Address:	4650 Cushing Parkway						
City:	Fremont						
State/Country:	CALIFORNIA						
Postal Code:	94538						
PROPERTY NUMBERS Total: 1							
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11317961</td></tr></tbody></table>	Property Type	Number	Application Number:	11317961			
Property Type	Number						
Application Number:	11317961						
CORRESPONDENCE DATA							
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NAME OF SUBMITTER:	Joseph A. Nguyen Reg. 37,899						
Total Attachments: 1 source=LMRX-P096AA-US-20051227-MP-SIGNED ASSIGNMENT#page1.tif							

OP \$40.00 11317961

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PATENT
REEL: 019060 FRAME: 0203

ASSIGNMENT OF PATENT APPLICATION

(Accompanying Application)

WHEREAS I/we the undersigned inventor(s) have invented certain new and useful improvements as set for in the patent application entitled:



METHODS AND ARRANGEMENT FOR A HIGHLY EFFICIENT GAS DISTRIBUTION ARRANGEMENT

(Atty. Docket No. LMRX-P096/P1482) for which I (we) have executed an application for a United States Letters Patent.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt and sufficiency of which is hereby acknowledged, I/We the undersigned inventor(s) hereby:

- 1) Sell(s), assign(s) and transfer(s) to **Lam Research Corporation**, a Delaware corporation, doing business at 4650 Cushing Parkway, Fremont, California 94538 (hereinafter referred to as "ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), continuation(s)-in-part, substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date(s) indicated beside my (our) signature(s).

- | | | |
|----|-----------------------|---|
| 1) | Date: <u>12-21-05</u> | Signature:  |
| | | Typed Name: Ing-Yann Albert Wang |
| 2) | Date: <u>12/21/05</u> | Signature:  |
| | | Typed Name: Mohammad Kamarehi |