

PATENT ASSIGNMENT

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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>John BOYD</td> <td>06/19/2007</td> </tr> <tr> <td>Fritz REDEKER</td> <td>06/15/2007</td> </tr> <tr> <td>Yezdi DORDI</td> <td>06/15/2007</td> </tr> <tr> <td>Hyungsuk Alexander YOON</td> <td>06/15/2007</td> </tr> <tr> <td>Shijian LI</td> <td>06/15/2007</td> </tr> </tbody> </table>		Name	Execution Date	John BOYD	06/19/2007	Fritz REDEKER	06/15/2007	Yezdi DORDI	06/15/2007	Hyungsuk Alexander YOON	06/15/2007	Shijian LI	06/15/2007
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>Lam Research Corporation</td> </tr> <tr> <td>Street Address:</td> <td>4650 Cushing Parkway</td> </tr> <tr> <td>City:</td> <td>Fremont</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>94538</td> </tr> </table>		Name:	Lam Research Corporation	Street Address:	4650 Cushing Parkway	City:	Fremont	State/Country:	CALIFORNIA	Postal Code:	94538		
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CORRESPONDENCE DATA													
Fax Number:	(707)581-1869												
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
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ATTORNEY DOCKET NUMBER:	XCR-005DIV2												
NAME OF SUBMITTER:	Jessica Judevine												

OP \$40.00 13455453

Total Attachments: 4

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ASSIGNMENT OF PATENT APPLICATION
(Accompanying Application)

Whereas I the undersigned inventor have invented certain new and useful improvements as set forth in the patent application entitled:

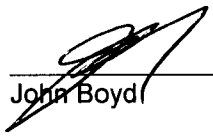
METHODS OF POST-CONTACT BACK END OF LINE THROUGH-HOLE VIA
INTEGRATION

(Docket: **XCR-005**) for which I 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 the undersigned inventor hereby:

- 1) Sell, assign and transfer to **Lam Research Corporation** a Delaware corporation having a place of business at 4650 Cushing Parkway, Fremont, CA 94538, (hereinafter referred to as "ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed in, application based upon, and Patent (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, continuation, substitute or reissue 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, as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this agreement.

Signed on the date indicated beside my signature.

1. Signature:  _____ Date: 19-June-07
Typed Name: John Boyd

2. Signature: _____ Date: _____
Typed Name: Fritz Redeker

3. Signature: _____ Date: _____
Typed Name: Yezdi Dordi

4. Signature: _____ Date: _____
Typed Name: Hyungsuk Alexander Yoon

5. Signature: _____ Date: _____
Typed Name: Shijian Li

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1. Signature: _____ Date: _____
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