

06-20-2003



ASSIGNMENT RECORD SHEET
102478691
-PATENTS ONLY-

17513 U.S. PTO
10/460879
06/13/03

To: Honorable Assistant Commissioner of Patents:

Please record the attached original document(s) or copy thereof.

- 1. Name of conveying party(ies)
 - a) Vincent WONG
 - b) Roger PATRICK
 - c) Chung Ho HUANG

6-13-03

- 2. Name and address of receiving party(ies):
 - a) Name: Lam Research Corporation
 - Address: 4650 Cushing Parkway
Fremont, California 94538

- 3. Nature of conveyance

<input checked="" type="checkbox"/> Assignment	<input type="checkbox"/> Merger
<input type="checkbox"/> Security Agreement	<input type="checkbox"/> Change of Name
<input type="checkbox"/> Other _____	<input type="checkbox"/> License Agreement

Execution Date: June 12, 2003

- 4. Application Number(s) or Patent Number(s): Herewith

10460879

The title of the (new) application is:

ARCHITECTURE FOR GENERAL PURPOSE PROGRAMMABLE SEMICONDUCTOR PROCESSING SYSTEM AND METHODS THEREFOR

- 5. Please send all correspondence concerning this (these) documents to:

**CUSTOMER NO. 32,986
IPSG, P.C.
P. O. Box 700640
San Jose, CA 95170-0640**

- 6. Total number of applications and patents involved: 1

- 7. Total fee (37 CFR 3.41): \$40.00

- Enclosed
- Any additional fees are authorized to be charged to Deposit Account No. 50-2284 (Order No. LMRX-P016/P1140)

- 8. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

- 9. Date: June 13, 2003

Alexander Sousa
Alexander Sousa
Registration No. 50,671

06/19/2003 BBYRNE 00000161 10460879
01 FC:0021 40.00 DP

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:

ARCHITECTURE FOR GENERAL PURPOSE PROGRAMMABLE SEMICONDUCTOR PROCESSING SYSTEM AND METHODS THEREFOR

(Atty. Docket No. LMRX-P016/P1140) 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 with a place of business located 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), 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.

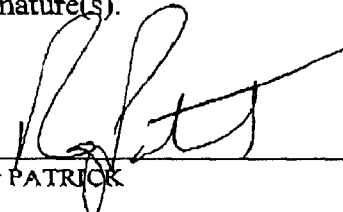
5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

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

Date: 6/12/03

Signature: _____

Typed Name: _____

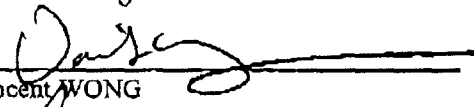


Roger PATRICK

Date: 6/12/03

Signature: _____

Typed Name: _____




Vincent WONG

Date: 6/12/03

Signature: _____

Typed Name: _____



Chung Ho HUANG