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Additional name(s) of conveying party(les) attached? Yes No 3. Nature of conveyance/Execution Date(s): Execution Date(s) August 8, 2007 Assignment Merger	Street Address: <u>PSE - Batiment B</u>
Assignment Merger Security Agreement Change of Name Joint Research Agreement	City: <u>Lausanne</u> State:
Government Interest Assignment Executive Order 9424, Confirmatory License	Country: Switzerland Zip: CH-1015
Other	Additional name(s) & address(es) attached? Yes Vo
A. Patent Application No.(s) 11/821,469	document is being filed together with a new application. B. Patent No.(s) tached? Yes No
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: <u>Neil A. Steinberg</u>	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
Internal Address:	Authorized to be charged by credit card
Street Address: 2665 Marine Way, Suite 1150	Authorized to be charged to deposit account Enclosed None required (government interest not affecting title)
City: Mountain View	8. Payment Information
State: California Zip: 94043	a. Credit Card Last 4 Numbers Expiration Date
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Email Address: <u>neils@swpatentlaw.com</u>	Authorized User Name <u>Neil A. Steinberg</u>
9. Signature: Signature	August 14, 2007 Date
Neil A. Steinberg Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1460

PATENT REEL: 019695 FRAME: 0597

ASSIGNMENT (Docket No. 211,024)

Inventor: Anant Pratap Singh Serial No.: 11/821,469

Filing Date: June 22, 2007

Title: Integrated Circuit Having Memory Array including ECC and/or Column Redundancy, and Method of Programming, Controlling and/or Operating Same

I, the undersigned, for good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, hereby assign to:

Innovative Silicon S.A.

its successors and assigns, the entire right, title and interest in the inventions and/or improvements of the undersigned disclosed in the above-referenced application for Letters Patent of the United States, and in said application and any and all other applications, both United States and foreign, which may be filed, either solely or jointly with others, on said inventions and/or improvements, and in any and all patents of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension of such patents, and further assign to said assignee the priority right provided by the International Convention.

- I, the undersigned, hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patents to said assignee.
- I, the undersigned, warrant that there are no outstanding prior assignments, licenses, or other encumbrances on the interests herein assigned.
- I, the undersigned, for said considerations hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation and substitute applications for said inventions and/or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue or extension of any patents that may be granted on said application and any and all applications and other documents for patents in foreign countries on said inventions and/or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorize said assignee to apply for patents for said inventions and/or improvements in its own name in such countries where such procedure is proper and further agree, upon the request of said assignee, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents,

PATENT REEL: 019695 FRAME: 0598 including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain said patents, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby all said patents will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said patents will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

RECORDED: 08/14/2007

Date: 8/8/2007
Anant Pratap Singh