Docket No.: 8700103-0005 07-01-1999 U.S. DEPARTMENT OF COMMERCE FORM PTO-1595 (Modified) (Rev. 6-93) Patent and Trademark Office OMB No. 0651-0011 (exp.4/94) Copyright 1994-97 LegalStar P08/REV02 Tab settings → → 101080599 To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Lidong CHEN Arun ACHYUTHEN Name Mosaid Technologies Incorporated John WU JUN 2 9 1999 Internal Address: 11 Hines Road, Kanata, Ontario K2K 2X1, Canada Additional names(s) of conveying party(ies) 3. Nature of conveyance: Street Address: same as above ■ Assignment Merger ☐ Security Agreement ☐ Change of Name City: \_\_\_\_\_ State: \_\_\_\_ ZIP: \_\_\_\_ Other Execution Date: July 1997 4. Application number(s) or registration numbers(s): If this document is being filed together with a new application, the execution date of the application is: B. Patent No.(s) A. Patent Application No.(s) 08/904,153 Additional numbers attached? Yes X No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: Kevin Pillay Reg. No. 41,559 7. Total fee (37 CFR 3.41):.....\$ 40.00 Internal Address: Orange Chari Pillay Enclosed - Any excess or insufficiency should be credited or debited to deposit account P.O. Box 190, Suite 3600, Toronto Dominion Bank Tower, Authorized to be charged to deposit account Toronto Dominion Centre, Toronto, Ontario M5K 1H6 Street Address: CANADA 8. Deposit account number: same as above State: \_\_\_\_ ZIP: \_\_ City: \_\_\_ DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing infolmation is true and correct and any attached copy is a true copy of the original document. June 28, 1999 **Kevin Pillay** Date Signature Name of Person Signing Total number of pages including cover sheet, attachments, and document: PATENT

REEL: 010056 FRAME: 0433

## **ASSIGNMENT**

WHEREAS, we,

Lidong CHEN, Arun ACHYUTHEN, and John WU

hereinafter referred to as Assignor, whose full post office addresses are,

25 Woodridge Cr., #718 Nepean, Ontario, K2B 7T4, Canada

17 - 5 Hadley Circle, Nepean, Ontario K2H 2P1, Canada

2084 Lenester Avenue, Ottawa, Ontario, K2B 1L1, Canada

have made an invention relating to and entitled:

Column Redundancy In Semiconductor Memories

as fully set forth and described in an application for Letters Patent of United States identified as:

Serial number 08/904,153, filed on July 31, 1997;

AND WHEREAS,

## **Mosaid Technologies Incorporated**

hereinafter referred to as Assignee, whose full post office address is

11 Hines Road, Kanata, Ontario K2K 2X1, Canada

desires to acquire our entire right, title and interest in and to said invention;

NOW THEREFORE, in consideration of the sum of One Dollar (S1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign, transfer and set over to Assignee, its successors, assigns, or legal representatives, our entire right, title and interest for Canada and all other countries throughout the World in and to said invention, together with our entire right, title and interest in and to said application and any foreign applications corresponding thereto and any and all Letters Patent which may issue for said invention, including any and all divisions, reissues, continuations and extensions to said Letters Patent, to the full end of the term for which each said Letters Patent may be granted, and including the right to claim priority, based on said application, under the terms of any international Convention, the same to be held and enjoyed as fully and completely as the same would have been held and enjoyed by us had this Assignment not been made;

AND WE, on behalf of ourselves and our executors and administrators, hereby covenant and agree to do all such lawful acts and things and to execute without further consideration such further lawful assignments, documents, assurances, applications and other instruments as may reasonably be required by said Assignee, its successors, assigns, or legal representatives, to obtain any and all Letters Patent for said invention and vest the same in said Assignee, its successors, assigns, or legal representatives.

Orange & Associates (10/96)

PATENT REEL: 010056 FRAME: 0434

SIGNED atCurp	, Onteria	Canada	_this <u>'2<i>CH</i>i</u> day	y of
JUNE , 199€.				
	Ву:	XXvrg (1)	le	
	Name:	Lidong CHEN		
	STATEMENT	BY WITNESS		
I, MICHAEL 102 MAYION ROAD	VLAJESCU	, whose	e full post office addr	ess is:
102 MAYION ROAD	CARP ONTA	CANADA 1	COA ILO	, was
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July , 1997.				
By: Jahrn.				
By:				
	Name:	Arun ACHYU	I HAN	
	STATEMENT	RY WITNESS		
	<u> </u>	BT WITHDOD		
1, MICHAEL	VLADES	CD , whos	e full post office add	ress is:
102 MANION R	D CARR O'	N KOAILO	on CA.	, was
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Orange & Associates (10/96)

SIGNED at Carp, Outano, 1997.  By:	Carada this 29 day of
Name:	John WU
STATEMENT I	BY WITNESS
I, MICHAEL VLADESCY  102 MANION RD CARP  personally present and did see TO HN V	
execute the above assignment.  By:	Jihrb

RECORDED: 06/29/1999

Orange & Associates (10/96)