

07-17-2003



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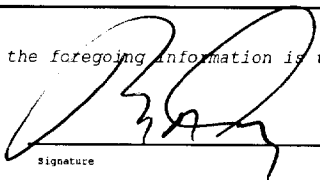
U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ET

Our Docket No.: 14088

7.1407

To the Honorable Commissioner of Patents and Trademarks:  
Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): ROTH, Alan GHASSEMI, Hamed</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>		<p>2. Name and address of receiving party(ies) Name: Mosaid Technologies Incorporated 11 Hines Road Kanata, Ontario, Canada K2K 1X2</p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>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 _____</p> <p>Execution Date: <u>July 2, 2003 and June 18, 2003</u></p>			
<p>4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: _____</p> <p>Title: <u>METHOD AND STRUCTURE FOR REDUCING NOISE EFFECTS IN CONTENT ADDRESSABLE MEMORIES</u></p> <p>A. Patent Application No.(s) _____ B. Patent No.(s) <u>6,563,727</u></p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>			
<p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Ralph A. Dowell</u> Internal Address: _____ Street Address: <u>Suite 309, 1215 Jefferson Davis Highway Arlington, VA 22202-3124 (703) 415-2555</u></p>		<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37CFR 3.41).....\$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: _____ (Attach duplicate copy of this page if paying by deposit account)</p>	
DO NOT USE THIS SPACE			
<p>9. Statement and signature. 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.</p> <p><u>Ralph A. Dowell 26,868</u>  <u>July 14, 2003</u></p> <p>Name of Person signing _____ Signature _____ Date _____</p> <p>Total number of pages including cover sheet, attachments and document: <u>3</u></p>			

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Mail documents to be recorded with required cover sheet information to:  
Commission of Patent & Trademarks, Box Assignments  
Washington, D.C. 20231

## ASSIGNMENT

WHEREAS, we,

**ROTH, Alan and GHASSEMI, Hamed**

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

**5012 Woodview Ave., Austin, Texas , 78756, U.S.A. and,  
6100 Sierra Leon, Austin, Texas, 78757 U.S.A., respectively,**

have made an invention relating to and entitled:

**Method and Structure for Reducing Noise Effects in Content Addressable Memories**

as fully set forth and described in Letters Patent for the United States identified as:

Patent Number **6,563,727**, issued on **May 13, 2003**;

AND WHEREAS,

**Mosaid Technologies Incorporated**

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

**11 Hines Road, Kanata, Ontario, Canada, K2K 1X2**

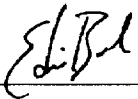
desires to acquire our entire right, title and interest in and to said invention;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) 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, the United States 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 ourselves 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.

DATED this 2<sup>ND</sup> day of July 2003.

Witnessed By:

Signature: 

Name: EDWIN B. TAMEZ

By: 

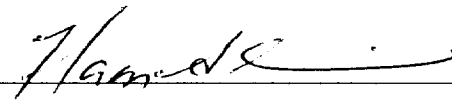
Name: ROTH, Alan

DATED this 18<sup>th</sup> day of June 2003.

Witnessed By:

Signature: 

Name: Nazanin G. Ghassemi

By: 

Name: GHASSEMI, Hamed