

MRD 6-30-98

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PATENTS ONLY

FORM PTO: 1595  
(Rev. 6-93)  
OMB No. 0651-0011 (exp. 4/94)

SHEET

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

<p>1. Name of conveying party(ies):</p> <p>Michael Alwais and Michael Peters</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)</p> <p>Name: Enhanced Memory Systems, Inc.</p> <p>Street address: 1850 Ramtron Drive</p> <p>City: Colorado Springs State: CO Zip: 80921</p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other _____</p> <p>Execution Date: June 22, 1998</p>	
<p>4. Application number(s) or patent number(s):</p> <p>If this document is being filed together with a new application, the execution date of the application is: 6/22/98</p> <p>A. Patent Application No.(s)</p> <p>Attorney Docket No.: RAM 447</p> <p>B. Patent No.(s)</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:</p> <p>Name: William J. Kubida</p> <p>Internal Address: Holland &amp; Hart LLP</p> <p>P.O. Box 8749</p> <p>Denver, CO 80201</p> <p>Street Address: 555-17th Street, #3200</p> <p>City: Denver State: CO Zip: 80202</p>	<p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 CFR 3.41) ..... \$ 40.00</p> <p><input checked="" type="checkbox"/> Enclosed</p> <p><input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number:</p> <p>08-2623</p> <p>(Attach duplicate copy of this page if paying by deposit account)</p>

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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.

Robert H. Kelly, #33,92  
Name of Person signing

30 Jun 98  
Signature

*Robert H. Kelly*  
Date

Total number of pages including cover sheet, attachments and document: 4

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

PATENT  
REEL: 9286 FRAME: 0440

PATENT  
EXPRESS MAIL NO. EL076847571US  
Attorney Docket No. RAM 447  
Client/Matter No. 35245.830118.000

### ASSIGNMENT

WHEREAS, we, Michael Alwais having a residence address of 5110 Hopner Court, Colorado Springs, Colorado 80919 and Michael Peters, having a residence address of 3020 Blodgett Dr., Colorado Springs, Colorado 80919, have made a certain new and useful invention relating to a EMBEDDED ENHANCED DRAM, AND ASSOCIATED METHOD, for which we are making or we have made application for Letters Patent of the United States, said application being identified by Docket No. RAM 447 and Client/Matter No. 35245.830118.000, in the law firm of Holland & Hart LLP, 555 Seventeenth Street, Suite 2900, Denver, Colorado, and which is executed concurrently herewith, and

WHEREAS, we now own the entire right, title and interest therein; and

WHEREAS, Enhanced Memory Systems, Inc., a Delaware corporation, whose post office address is 1850 Ramtron Drive, Colorado Springs, Colorado 80921, is desirous of acquiring the entire interest in and to said invention, said application, and the Letters Patent to be obtained therefor;

NOW THEREFORE, for certain good and valuable consideration to us in hand paid, the receipt and sufficiency of which are hereby acknowledged, we have sold, assigned, and set over, and by these presents do hereby sell, assign, and set over, unto the said Enhanced Memory Systems, Inc., and said assignee's legal representatives, successors, and assigns, the entire right, title, and interest in and to said invention, said application, and the Letters Patent, both foreign and domestic, that may or shall issue thereon; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to the above-mentioned assignee, consistent with the terms of this Assignment.

UPON SAID CONSIDERATION, we do hereby covenant and agree with the said assignee that we will not execute any writing or do any act whatsoever conflicting with these presents, and that we will, at any time upon request, without further or additional consideration, but at the expense of the said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, renewal, reissued or extended Letters Patent of the United States, or of any and all foreign countries, on said invention, and in enforcing any rights or choices in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of both parties.

IN WITNESS WHEREOF, we hereby state we have read the foregoing Assignment and have hereunto set our hands and affixed our seals on the date hereinafter set forth.

Date: 6/19/98 Michael Alwais  
 Michael Alwais

STATE OF COLORADO }  
 COUNTY OF El Paso } ss.

On this 19 day of June, 1998, before me, a notary public in and for said county, appeared Michael Alwais, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he signed, sealed, and delivered the same instrument as a free and voluntary act for the uses and purposes therein set forth.

My commission expires February 7, 2002.

Witness my hand and official seal.

(SEAL) Kathleen M. Egan  
 Notary Public

Date: 6/22/98

Michael Peters  
Michael Peters

STATE OF COLORADO }  
COUNTY OF EL Paso }

ss.

On this 22 day of June, 1998, before me, a notary public in and for said county, appeared Michael Peters, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he signed, sealed, and delivered the same instrument as a free and voluntary act for the uses and purposes therein set forth.

My commission expires February 7, 2002

Witness my hand and official seal.

(SEAL)

Kathleen M. Egan  
Notary Public