


Based on FORM PTO-1595 (Rev. 08/05)  
as modified by Blakely, Sokoloff, Taylor & Zafman (wlr) 11/30/2005

U.S. DEPARTMENT OF COMMERCE  
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Recordation Form Cover Sheet <b>PATENTS ONLY</b>	
To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.	
1. Name of conveying party(ies): <b>DiaaEldin Khalil; Arijit Raychowdhury; Muhammad Khellah; Ali Keshavarzi</b>	2. Name and address of receiving party(ies): Name: <b>Intel Corporation</b>
Additional name(s) of conveying party(ies) attached? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	Internal Address: _____ Street Address: <b>2200 Mission College Boulevard</b>
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	City: <b>Santa Clara</b> State: <b>CA</b> Zip: <b>95052</b> Country: <b>United States</b>
Execution Date: <b>9/9/2008; 9/17/2008; 9/15/2008; 9/18/2008</b>	Additional name(s) & address(es) attached? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
4. Application number(s) or patent number(s):  A. Patent Application No.(s) <b>12/236,302</b>	<input type="checkbox"/> This document is being filed together with a new application.  B. Patent No.(s)
Additional numbers attached? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: <b>Blakely, Sokoloff, Taylor &amp; Zafman LLP</b> Internal Address: _____ Street Address: <b>1279 Oakmead Parkway</b>  City: <b>Sunnyvale</b> State: <b>CA</b> ZIP: <b>94085</b> Phone Number: <b>(503) 439-8778</b> Fax Number: <b>(503) 439-6073</b> E-mail Address: <b>greg.d.caldwell@bstz.com</b>	6. Total number of applications and patents involved: <b>1</b>
	7. Total Fee (37 CFR 3.41).....\$ <b>40.00</b> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account
	8. Deposit Account Number: <b>02-2666</b>
DO NOT USE THIS SPACE	
9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.</i>	
<b>Gregory D. Caldwell, Reg. No. 39,926</b> Name of Person Signing	 Signature
	<b>September 23, 2008</b> Date
Total number of pages including cover sheet, attachments, and document: <b>9</b>	

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 US Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

Docket No. 42P27506

700388595

**PATENT**  
**REEL: 021715 FRAME: 0711**

CH \$40.00 022666 12236302

Attorney's Docket No.: 42P27506

## ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned:

**DiaaEldin Khalil; Arijit Raychowdhury; Muhammad Khellah; Ali Keshavarzi**

hereby sell, assign, and transfer to

### **Intel Corporation**

a Corporation of Delaware, having a principal place of business at 2200 Mission College Boulevard, Santa Clara, California 95052 United States ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the application (provisional or non-provisional) for the United States patent which may have a declaration executed by the undersigned prior hereto or concurrently herewith and is entitled

### **LEAKAGE COMPENSATION CIRCUIT FOR DYNAMIC RANDOM ACCESS MEMORY CELLS**

said patent application also identified as follows (when known):

[I/we hereby authorize an attorney or agent for said Assignee to insert below the application number and filing date of said patent application when known.]

United States Patent Application Number 12/236,302 filed 9/23/2008

and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives; to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor: Please Sign and Date Below:

9/9/2008      DIAA  
Date                      Name: **DiaaEldin Khalil**

\_\_\_\_\_  
Date                      Name: **Arijit Raychowdhury**

\_\_\_\_\_  
Date                      Name: **Muhammad Khellah**

\_\_\_\_\_  
Date                      Name: **Ali Keshavarzi**

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Date                      Name:

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Date                      Name:

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Date                      Name:

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Date                      Name:

\_\_\_\_\_  
Date                      Name:

Assignment Document Return Address:  
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
1279 Oakmead Parkway  
Sunnyvale, CA 94085-4040  
Telephone: (503) 439-8778

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Date  
09/17/2008  
Date

Name: **DiaaEldin Khalil**  
  
Name: **Arijit Raychowdhury**

Date

Name: **Muhammad Khellah**

Date

Name: **Ali Keshavarzi**

Date

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Each Inventor: Please Sign and Date Below:

---

Date Name: **DiaaEldin Khalil**

Date Name: **Arijit Raychowdhury**

Date *9/15/08* Name: **Muhammad Khellah** <sup>H.</sup> *[Signature]*

Date Name: **Ali Keshavarzi**

Date Name:

Date Name:

Date Name:

Date Name:

Date Name:

Date Name:

Date Name:

Date Name:

Assignment Document Return Address:  
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Date \_\_\_\_\_ Name: **Arijit Raychowdhury**

Date \_\_\_\_\_ Name: **Muhammad Khellah**

*Sept 18, 2008* \_\_\_\_\_ *Ali Kesh*  
Date \_\_\_\_\_ Name: **Ali Keshavarzi**

Date \_\_\_\_\_ Name: \_\_\_\_\_

Date \_\_\_\_\_ Name: \_\_\_\_\_

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