Atty. Docket No.: 2557-000742/US

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17010	To the E Please re	10349	8016	ademarks:		
1. Name of conveying party(ies) Kwang-jin LEE Du-eung KIM Additional name(s) of conveying  3. Nature of conveyance:  Assignment Merger  Change of Name		Name and address of receiving party(ies)     Name: SAMSUNG ELECTRONICS CO., LTD.     Street Address: 416 Maetan-dong, Yeongtong-gu     City: Suwon-si State: Gyeonggi-do     Country: Republic of Korea				
Additional name(s) & address(es) attached? YES NO  Execution Date: 7-19-2007  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: 7-19-2007						
A. Patent Application No(s).	ر کے Additio	onal numbers attac	B. Patent No.(s			
<ol> <li>Name and address of party to whom correspondence concerning document should be mailed:</li> <li>Name: HARNESS, DICKEY &amp; PIERCE, P.L.C.</li> <li>Street Address: P.O. BOX 8910</li> <li>City: RESTON State: VA ZIP: 20195</li> </ol>			7. Total fee (3) Enclosed Authorized if no fee at	applications/patents invo 7 C.F.R. § 3.41): \$40.00 to be charged to deposit a trached.		
Country: USA	DO NOT US	(Attach triplicate copy of this page if paying by deposit account)				
9. Statement and signature.  To the best of my know copy of the original document.  John A. Castellano, #35.(  Name of Person Signing/Reg.)	094			e and correct and any atta	uched copy is a true  August 28, 2007  Date	

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

JAC:mth

HDP

Atty, Docket No. 2557-000742/US

## ASSIGNMENT

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

## CONTENT ADDRESSABLE MEMORY CELL AND CONTENT ADDRESSABLE MEMORY USING PHASE CHANGE MEMORY

for which Assignor is about to make or has made United States or International application for patent

	(a)	$\boxtimes$	executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration and Power of Attorney);
	(b)		executed on; or
	(c)		filed on, and assigned Serial No or PCT International Application No;
	(d)		U.S. Patent No, issued; and
Suwon			samsung Electronics Co., Ltd., 416, Maetan-Dong, Yeongtong-Gu, o, Republic of Korea, and hereinafter referred to as Assignee, is desirous

of acquiring an Interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor by these presents does sell, assign and transfer unto Assignee and its successors in Interest, the full and exclusive right, title and interest in the United States of America and all foreign countries, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the said invention as described in the aforesald application, said application for patent and all Letters Patent therefor to be held and enjoyed by Assignee to the full end of the term for which said Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to recover for past infringements of, or liabilities for, any of the rights relating to any of said applications or patents resulting therefrom;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent in the United States and In all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale or agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the Commissioner of Patents and Trademarks to Issue said Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue said Letters Patent, Utility Model Registration or Inventor's Certificate to Assignee.

The undersigned hereby grant(s) the law firm of Harness, Dickey & Pierce, P.L.C. the power to insert on this Assignment any further Identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

Page 1 of 2

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Atty. Docket No. 2557-000742/US

**ASSIGNMENT** 

Kwang - Jin Lee Kwang-jin LEE

Du-eung KIM

Page 2 of 2

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TOTAL P.005

**PATENT** 

**REEL: 020836 FRAME: 0873** 



Harness Dickey & Pierce PLC Attorneys and Counselors P.O. Box 8910 Reston, Virginia 20195

Fax: 703-668-8200 Phone: 703-668-8000 Metropolitan: Detroit St. Louis Washington, DC

DATE:	April 15, 2008	NCLUDING THIS PAGE): 5		
FOR:	Public Records Division-	Assignment Services Branch	ORIGINAL WILL FOLLOW BY:	
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FROM:	Jason Hill			

## COMMENTS:

The following assignment was filed on August 28, 2007 with the United States Patent and Trademark Office. It has been found that the assignment was not recorded by your office. We request a official letter regarding the assignment of this case as soon as it becomes available.

Mossia and Jak.

11/892-851

## NOTICE

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> PATENT REEL: 020836 FRAME: 0874

**RECORDED: 08/28/2007** 

Applicant	: Kwang-jin Lee et al.	Case No.:	2557-000742/US	
Serial No.	: New Application	Filing Date:	August 28, 2007	
Title: CONTENT ADDRESSABLE MEMORY CELL AND CONTENT ADDRESSABLE				
MEMORY USING PHASE CHANGE MEMORY				

Please acknowledge receipt of:

- Check No. 116 in the amount of \$1240.00 Utility Patent Application Transmittal (1 page) Fee Transmittal (1 page) Recordation Cover Sheet w/ Executed Assignment

- Priority Letter (1 page) w/ Certified Priority Document Information Disclosure Statement (3 pages) PTO-1449 Form (1 page) listing three (3) refs., enclosing (7) PTO-1449 FORM (1 page) as one (1) ref.
  (8) Specification (17 pages)
  (9) Executed Declaration
  (10) Formal Drawings (5 sheets)

By stamping and returning to Hamess, Dickey & Pierce, P.L.C.

USPTO Date Stamp

Sep. 19, 2006 Attorney: JAC:mth Filed August 28, 2007

REEL: 020836 FRAME: 0875