U.S. PTO 12/217018

07/01/2008 Form PTO-1595 (Rev. 06/04) OMB No. 0651-0027 (exp. 6/30/200 U.S. DEPARTMENT OF COMMERCE 07-14-2008 United States Patent and Trademark Office EET SAMS05-16097 103513616 To the Director of the U.S. Pa .ched documents or the new address(es) below. 1. Name of conveying party(ies)/Execution Date(s): 2. Name and address of receiving party(ies) Chan-Ho Min Name: Samsung Electronics Co., Ltd. Ok-Seon Lee Internal Address: Execution Date(s) July 1, 2008, respectively Street Address: 416, Maetan-dong, Yeongtong-gu, Additional name(s) of conveying party(ies) attached? Yes ✓ No Suwon-si, Gyeonggi-do, 442-370 3. Nature of conveyance: ✓ Assignment Merger City: _____ ___ Security Agreement Change of Name Government Interest Assignment Country: Republic of Korea Zip: Executive Order 9424, Confirmatory License **☐** Other_ Additional name(s) & address(es) attached? Yes Vo 4. Application or patent number(s): This document is being filed together with a new application. A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? Yes VNo 5. Name and address to whom correspondence 6. Total number of applications and patents concerning document should be mailed: involved: Name: Docket Clerk 7. Total fee (37 CFR 1.21(h) & 3.41) \$_40.00 Internal Address: Authorized to be charged by credit card Authorized to be charged to deposit account

> Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Signáture

/03/2008 LTRUONG 00000027 12217018 FC:8021 40.00 OF

City: Dallas

State: Texas

Email Address: 9. Signature:

Street Address: P.O. Drawer 800889

Phone Number: 972-628-3600

William A. Munck, Reg. No 39,308

Fax Number: 972-628-3616

Zip: 75380

Name of Person Signing

PATENT **REEL: 021245 FRAME: 0315**

None required (government interest not affecting title)

b. Deposit Account Number 50-0208

Authorized User Name William A. Munck

Expiration Date _____

July 1, 2008

Total number of pages including cover

sheet, attachments, and documents:

I Enclosed

8. Payment Information

a. Credit Card Last 4 Numbers ___

ASSIGNMENT

W	HEREAS, W	e, Chan-Ho M	lin, reside	nt of Yongin-si	, Gyeonggi-d	o, Repu	iblic of l	Corea,
citizen of	Republic of I	Korea, and Ol	-Seon Le	e, resident of Su	rwon-si, Gye	onggi-d	o, Reput	olic of
Korea, citi	izen of Repu	blic of Korea	, have in	vented certain r	new and usef	ul impr	ovement	s in a
				TRANSMITTI				
				an application				
(Application	on Serial No.	/f	iled on _	, sai	d application	having	been exe	cuted
	ly herewith;							

WHEREAS, SAMSUNG ELECTRONICS CO., LTD, a corporation organized under the laws of the Republic of Korea, having a place of business at 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, 442-370, Republic of Korea (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring my entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, continuations-in-part and extensions thereof; We authorize William A. Munck or John T. Mockler of Munck Carter, P.C. to insert in the parenthesis above the application number and filing date of said application when known; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to the said ASSIGNEE of our entire right, title and interest.

We also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and we further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

1

만환호시스템연구 Lab.(통신만) 20090626182727

We hereby further agree that we will communicate to said ASSIGNEE, or to its successors, assigns and legal representatives, any facts known to us respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, and make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

Date: July (, 2008 Chan-Ho Min

Chair 110 W

Ok-Seon Lee

REEL: 021245 FRAME: 0317