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Name of conveying parties:

- 1.) Hee Dong KIM
- 4.) Ji Young CHO
- 2.) Dong Ik LEE
- 5.) Jai lck CHUN
- 3.) Yang Don LEE
- 6.) Min Hyeok HA

01/16/2013



Name and Address of receiving party: SAMSUNG ELECTRONICS CO., LTD. 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742 Republic of Korea

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JAN 1 1 2013

3.	Nature of conveyance: X
4.	Application number(s) or patent number(s): This document is being filed together with a new application. OR This document is being filed after filing of the application: (a) Patent Application No(s). 13/734,053, filed January 4, 2013; or (b) Patent No(s)., issued.
5.	Name and address of party to whom correspondence concerning document should be mailed: STAAS & HALSEY LLP Our Docket: 2294.1671 Attention: Sonny S. Choi 1201 New York Ave., N.W., 7th Floor Washington, D.C. 20005
6.	Total number of applications and patents involved:1
7.	Total fee (37 CFR 3.41) (\$ 40.00 per Patent or Application in Assignment) ⊠ Enclosed □ Authorized to be charged to credit card. □ Authorized to be charged to deposit account.
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Sonny S. Choi, Reg. No. 65,889 Name of Person Signing

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Date

Total number of pages including cover sheet: 3

Revised April, 2011

Docket No.: 2294.1671

U.S. ASSIGNMENT

S&H 1/00

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

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(hereinafter, "ASSIGNEE"), the receipt of which is hereby a transfers to ASSIGNEE the entire and exclusive right, title a (Title of Invention)	cknowledged, the undersigned ASSIGNOR hereby sells, assigns and and interest to the invention entitled
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relating to International Patent Application PCT/JPStates was executed on even date herewith or, if not so exe	and/or for which application for Letters Patent of the United ecuted, was:
(a) executed on ;	(Insert date of execution of application, if not concurrent)
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5) Jai Ick CHUN Dece Jai Ick CHUN 6) Man Hyeok HA Dece Min Hyeok HA	cember 28,2012
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PATENT REEL: 029700 FRAME: 0441

Docket No.: 2294.1671

U.S. ASSIGNMENT

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IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

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(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled (Title of Invention)

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