

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jooho Seo</td> <td>06/01/2012</td> </tr> <tr> <td>Sung Kwon KIM</td> <td>06/01/2012</td> </tr> <tr> <td>Jae Ho BAIK</td> <td>06/01/2012</td> </tr> </tbody> </table>		Name	Execution Date	Jooho Seo	06/01/2012	Sung Kwon KIM	06/01/2012	Jae Ho BAIK	06/01/2012
Name	Execution Date								
Jooho Seo	06/01/2012								
Sung Kwon KIM	06/01/2012								
Jae Ho BAIK	06/01/2012								
RECEIVING PARTY DATA									
Name:	SAMSUNG ELECTRONICS CO., LTD.								
Street Address:	129, Samsung-ro, Yeongtong-gu								
City:	Suwon-si, Gyeonggi-do, 443-742								
State/Country:	KOREA, REPUBLIC OF								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>29423516</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	29423516				
Property Type	Number								
Application Number:	29423516								
CORRESPONDENCE DATA									
Fax Number:	(212)246-8959								
Phone:	212-708-1803								
Email:	gmarti@ladas.com								
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
Correspondent Name:	Geraldine Marti								
Address Line 1:	Ladas & Parry LLP								
Address Line 2:	1040 Avenue of the Americas								
Address Line 4:	New York, NEW YORK 10018-3738								
ATTORNEY DOCKET NUMBER:	UD 052310-5								
NAME OF SUBMITTER:	John Richards								
Total Attachments: 3 source=052310-5_Assignment#page1.tif source=052310-5_Assignment#page2.tif source=052310-5_Assignment#page3.tif									

CH \$40.00 29423516

For: U.S. and/or Foreign Rights
 For: U.S. Application or
 U.S. Provisional Application
 For: U.S. Patent
 For: PCT Application
 By: Inventor(s) or Present Owner

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR:

Inventor(s) or person(s) or entity(ies)
who own the invention

Seo Jooho
(type or print name(s) of ASSIGNOR(S))

1306, Seocho Palace A, Seocho-2dong, Seocho-gu,
Address
Seoul, Korea

Korean
Nationality

Sung Kwon KIM
(type or print name(s) of ASSIGNOR(S))

404-106 Sindoah Apt, Sadang2-dong, Dongjak-gu
Address
Seoul, Korea

Korean
Nationality

Jae Ho BAIK
(type or print name(s) of ASSIGNOR(S))

306-704 Purunmaul 3 cha No. 1283 Sinjung-dong
Address
Yangchun-gu, Seoul, Korea

Korean
Nationality

*(If assignment is by person or entity to whom invention was previously assigned
and this was recorded in PTO, add the following)*

Recorded on _____ Reel _____
Frame _____

hereby sells, assigns and transfers to

ASSIGNEE: SAMSUNG ELECTRONICS CO., LTD.
(type or print name(s) of ASSIGNEE(S))

129, Samsung-ro, Yeongtong-Gu
Address
Suwon-Si, Gyeonggi-Do, 443-742, Korea

Korean
Nationality

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

the entire right, title and interest

an undivided _____ percent (_____ %) right, title and interest

for the United States and its territorial possessions

(check the following box, if foreign rights are also to be assigned)

and in all foreign countries, including all rights to claim priority,
in and to any and all improvements which are disclosed in the invention entitled:

Portable Electronic device

Name of inventor(s) Seo Joobo, Sung Kwon KIM and Jae Ho BAIK

(check and complete (a), (b), (c), (d), (e), (f) or (g))

and which is found in (37 C.F.R. 3.21)

- (a) Not yet filed U.S. patent application executed on even date herewith
- (b) Not yet filed U.S. patent application executed on _____
- (c) Not yet filed U.S. provisional application naming the above inventor(s) for the above-entitled invention
- To comply with 37 CFR 3.21 for recordal of this assignment, I, an ASSIGNOR signing below, hereby authorize and request my attorney to insert below the filing date and application number when they become known.
- (d) U.S. patent or provisional patent application no. _____
filed on _____ / _____ / _____
- (e) International application no. PCT / _____ / _____ filed on _____

(Assignment of Invention---page 2 of 3) 16-3

- (f) U.S. patent no. _____ issued
 A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.

(also check (g), if foreign application(s) is also being assigned)

- (g) and any legal equivalent thereof in a foreign country, including the right to claim priority

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/We have hereunto set hand and seal this

WARNING: *The date of signing must be the same as the date of execution of the application, if item (a) was checked above.*

Date: June 1, 2012

Seo
 Signature of ASSIGNOR(S) Seo Jooho

Date: June 1, 2012

Sungkwon Kim
 Signature of ASSIGNOR(S) Sung Kwon KIM

Date: June 1, 2012

Baik Jaeho
 Signature of ASSIGNOR(S) Jae Ho BAIK

(if ASSIGNOR is a legal entity, complete the following information)

(type or print the name of the above person authorized to sign on behalf of ASSIGNOR)

 Title

NOTE: *No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima facie evidence of execution. 35 USC 261. Use next page if notarization is desired.*

Notarization or Legalization Page Added.