

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SANGIL PARK	04/16/2013
DAE KYUNG AHN	04/16/2013
BAEK KI KIM	04/16/2013
JINSOO PARK	04/16/2013
JUNWON BAE	04/16/2013
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<b>Name:</b>	SAMSUNG ELECTRONICS CO., LTD.
<b>Street Address:</b>	129, SAMSUNG-RO, YEONGTONG-GU,
<b>City:</b>	SUWON-SI, GYEONGGI-DO, 443-742
<b>State/Country:</b>	KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	29452376
<b>Application Number:</b>	29531103
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<b>NAME OF SUBMITTER:</b>	JOHN RICHARDS
<b>SIGNATURE:</b>	/JOHN RICHARDS/
<b>DATE SIGNED:</b>	12/08/2015
<b>Total Attachments: 3</b>	

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For:  U.S. and/or  Foreign Rights  
 For:  U.S. Application or  
 U.S. Provisional Application  
 For:  U.S. Patent  
 For:  PCT Application  
 By: Multiple Inventors

**ASSIGNMENT OF INVENTION (MULTIPLE INVENTORS)**

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,

**ASSIGNORS (Inventors):**

<u>Sangil Park</u> <i>(type or print name of inventors)</i>	308-2001 Jugong Apt., Deokso-ri, Wabu-eup Namyangjusi, Kyungki-do Korea Address <span style="float: right;">Korean</span> <span style="float: right;">Nationality</span>
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<u>Baek Ki Kim</u>	104-902 Mokdong IPARK, Mokdong, Yangchun-gu, Seoul, Korea Address <span style="float: right;">Korean</span> <span style="float: right;">Nationality</span>
<u>Jinsoo Park</u>	191 Donghyun Maul, Neungpyungri, Opocup Kwangjusi, Kyunggido Korea Address <span style="float: right;">Korean</span> <span style="float: right;">Nationality</span>
<u>JunWon Bae</u>	1314-1902 Raemian East Palace, Dongchun-dong Suji-ku Yongin-si Kyungki-do Korea Address <span style="float: right;">Korean</span> <span style="float: right;">Nationality</span>

Added page(s) for signature by subsequent inventors. Number of pages added



(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 of ASSIGNEE)

129, Samsung-ro, Yeongtong-gu, Suwon-si.  
Address

Republic of Korea  
Nationality

Gyeonggi-do, 443-742, Republic of Korea

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:

**TV Receiver**

Name of inventor(s) Sangil Park, DAE KYUNG AHN, Baek Ki Kim, Jinsoo Park and JunWon Bae

(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 C.F.R. 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/\_\_\_\_\_/\_\_\_\_\_  
(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

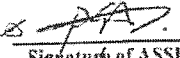
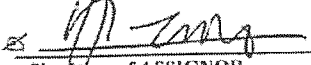

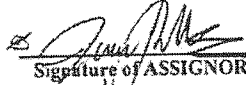

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

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, We have hereunto set hand and seal

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

<u>Sangil Park</u> (type name of Assignor)	<u></u> Signature of ASSIGNOR	this <u>16th April 2013</u> date of signing
<u>DAE KYUNG AHN</u> (type name of Assignor)	<u></u> Signature of ASSIGNOR	this <u>16th April 2013</u> date of signing
<u>Baek Ki Kim</u> (type name of Assignor)	<u></u> Signature of ASSIGNOR	this <u>16th APR. 2013</u> date of signing
<u>Jinsoo Park</u> (type name of Assignor)	<u></u> Signature of ASSIGNOR	this <u>16th April, 2013</u> date of signing
<u>JunWon Bae</u> (type name of Assignor)	<u></u> Signature of ASSIGNOR	this <u>16th April 2013</u> date of signing

(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.