

PATENT ASSIGNMENT

Electronic Version v1.1
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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------|----------------|
| Kyoung Hoon KIM | 04/10/2009 |
| Jun Ho YANG | 04/10/2009 |
| Yun Je KANG | 04/10/2009 |

RECEIVING PARTY DATA

| | |
|-------------------|--|
| Name: | SAMSUNG ELECTRONICS CO., LTD. |
| Street Address: | 416, MAETAN-DONG, YEONGTONG-GU |
| Internal Address: | SUWON CITY |
| City: | KYUNGKI-DO |
| State/Country: | KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 29335499 |

CORRESPONDENCE DATA

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| ATTORNEY DOCKET NUMBER: | UD 051981-3 |
| NAME OF SUBMITTER: | Clifford J. Mass |

Total Attachments: 3
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CH \$40.00 29335499

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**PATENT
 REEL: 022556 FRAME: 0875**

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

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 (Inventors):

NAME : Kyoung Hoon KIM
ADD. : 903ho Changwon Apt. 767-1 Majang-dong Sungdong-gu Seoul Korea
NATIONALITY: Korean

NAME : JUN HO YANG
ADD. : 103-107 Saetbulmaullife Apt. Bundang-Dong, Bundang-Gu, Sungnam-City, Kyungki-Do, Korea
NATIONALITY: Korean

NAME : Yun Je, KANG
ADD. : 524-1005, Samsung-5cha Apt. Jinsanmaul, Pungdukchunri, Sugiup, Kyunggi-do, Korea
NATIONALITY : KOREAN

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(s) of ASSIGNEE(S))

416, Maetan-Dong, Yeongtong-Gu, Suwon-City,
Kyungki-Do, Republic of Korea
Address

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:

TV RECEIVER

Name of inventor(s) Kyoung Hoon KIM; JUN HO YANG; and Yun Je, KANG

(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.

Kyoung Hoon KIM
(type name of Assignor)

Signature of ASSIGNOR

this ARL. 10, 2009
date of signing

JUN HO YANG
(type name of Assignor)

Signature of ASSIGNOR

this ARL. 10, 2009
date of signing

Yun Je, KANG
(type name of Assignor)

Signature of ASSIGNOR

this ARL. 10, 2009
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.

Notarization or Legalization Page Added.