

Form PTO-1595  
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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Attorney Docket No.: 2080-3021G2C1C2

To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
In Hwan CHOI, Kyung Won KANG, Young Mo GU and Kook Yeon KWAK

2. Name and address of receiving party(ies):

LG ELECTRONICS INC.  
20, Yoldo-dong, Youngdungpo-gu  
Seoul, Korea

2. Additional name(s) of conveying party(ies) attached?  Yes  No

Additional name(s) & address(es) attached?  Yes  No

3. Nature of conveyance:

- Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other \_\_\_\_\_

Execution Date: August 8, 2001

4. Application number(s) or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s) 11/560,807

B. Patent No.(s) N/A

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

JONATHAN Y. KANG, ESQ.  
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Phone: (213) 623-2221  
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6. Total number of applications and patents involved: [ 1 ]

7. Total fee (37 CFR 3.41) \$40

- Enclosed  
 Authorized to be charged to deposit account

8. Deposit account number: 502290

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

*To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.*

  
JEFFREY J. LOTSPEICH, REG. NO. 45,737

Date: March 12, 2007

OMB No. 0651-0011 (exp. 4/94)

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CH \$40.00 502290 11560807

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**PATENT**  
**REEL: 019005 FRAME: 0733**

Attorney Docket No.

2080-3-2102

**ASSIGNMENT***Insert Name(s) of Inventor(s)*In Hwan CHOI  
Kyung Won KANGYoung Mo GU  
Kook Yeon KWAK*Insert name of Assignee*

LG Electronics Inc.

*Insert state of Incorporation of Assignee*

Republic of Korea

*Insert address of Assignee*

of

20, Yoido-dong, Youngdungpo-gu, Seoul, Korea

(hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as

*Insert identification of Invention, such as Title, Case Number or Foreign Application Number***VSB RECEPTION SYSTEM WITH ENHANCED SIGNAL DETECTION FOR PROCESSING SUPPLEMENTAL DATA**

for which the undersigned has (have) executed an application for patent in the United States of America and all patent applications in foreign countries corresponding thereto or based thereon.

*Insert Date of Signing of Application*

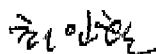
August 8, 2001

- 1) The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional and continuing United States and foreign applications for the above-identified invention and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.
- 2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
- 3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
- 4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.
- 5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed any agreement in conflict herewith.  
The undersigned hereby appoints JONATHAN Y. KANG, REG. NO. 38,199; RICHARD K. YOON, REG. NO. 42,247; EDWARD GRAY, REG. NO. 35,166; DAVID N. MAKOUS, REG. NO. 29,559; JOHN S. CHRISTOPHER, REG. NO. 30,937

the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: 2001. 8. 8

Signature of Inventor

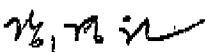


Date:

Signature of Inventor

Date: 2001. 8. 8

Signature of Inventor



Date: 2001. 8. 8

Signature of Inventor

**PATENT****REEL: 019005 FRAME: 0734**

Attorney Docket No.

## ASSIGNMENT

2080-3-2102

Insert Name(s) of Inventor(s)

In Hwan CHO  
Kyung Won KANGYoung Mo GU  
Kook Yeon KWAK

Insert name of Assignee

Insert state of Incorporation of  
Assignee

Insert address of Assignee

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

LG Electronics Inc.

Republic of Korea

of

20, Yoido-dong, Youngdungpo-gu, Seoul, Korea

(hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as

Insert identification of invention, such  
as Title, Case Number or Foreign  
Application Number

**VSB RECEPTION SYSTEM WITH ENHANCED SIGNAL DETECTION FOR  
PROCESSING SUPPLEMENTAL DATA**

for which the undersigned has (have) executed an application for patent in the United States of America and all patent applications in foreign countries corresponding thereto or based thereon.

Insert Date of Signing of Application

August 8, 2001

1) The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional and continuing United States and foreign applications for the above-identified invention and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

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Date: Signature of Inventor

Date: August 8, 2001 Signature of Inventor 

Date: Signature of Inventor

Date: Signature of Inventor

PATENT

RECORDED: 03/12/2007

REEL: 019005 FRAME: 0735