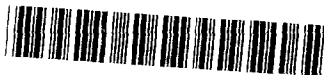




07-15-2005



1-4

FORM PTO-1596  
1-31-92

103041476  
PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

DOCKET NO.: LT-0070

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereto:

1. Name of conveying party(ies):  
Oh Suk KWON and Jong Woo KIM

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

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

Name: LG Electronics Inc.

Internal Address:

Street Address: 20, Yoido-dong, Youngdungpo-gu

City: Seoul

State/Country: Korea ZIP:

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

3. Nature of conveyance:

Assignment

Merger

Security Agreement

Change of Name

Other

Execution Date: January 13, 2005 and January 13, 2005

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

If the document is being filed together with a new application, the execution date of the application is: January 13, 2005

A. Patent Application No(s).

Filed:

B. Patent No(s)

Additional numbers attached?  Yes  No

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

Name: FLESHNER & KIM, LLP

Internal Address:

Street Address: P. O. Box 221200

City: Chantilly State: VA ZIP: 20153-1200

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. 3.41)..... \$ 40.00

Enclosed (Check No. 15432)

Authorized to be charged to deposit account (if necessary)

8. Deposit account number:

16-0607

DO NOT USE THIS SPACE

9. Statement and signature.

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

Carol L. Druzbeck, Reg. No. 40,287  
Name and Registration No. of Person Signing

Signature

July 12, 2005

Date

Total number of pages including cover sheet: 2

40E

CMB No. 0851-0011 (exp. 4/94)

DYK/CLD:knv

07/14/2005 ECDPER 00000005 11037258

01 FC:8021

40.00 OP

PATENT  
REEL: 016764 FRAME: 0642

1-19-05

01-28-2005



FORM PTO-1596  
1-31-92

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

DOCKET NO.: LT-0070

102928366

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereto:

<p>1. Name of conveying party(ies): Oh Suk KWON and Jong Woo KIM4</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: LG Electronics Inc.</p> <p>Internal Address:</p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other</p> <p>Execution Date: January 13, 2005 and January 13, 2005</p>	<p>Street Address: 20, Yoido-dong, Youngdungpo-gu</p> <p>City: Seoul</p> <p>State/Country: Korea ZIP:</p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>

113007 U.S. PTO  
11/037258



011905

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

If the document is being filed together with a new application, the execution date of the application is: January 13, 2005

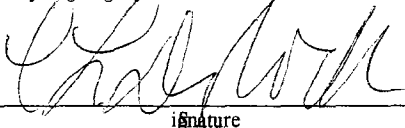
<p>A. Patent Application No(s). Filed:</p>	<p>B. Patent No(s)</p>
--	------------------------

Additional numbers attached?  Yes  No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: FLESHNER &amp; KIM, LLP</p> <p>Internal Address:</p> <p>Street Address: P. O. Box 221200</p> <p>City: Chantilly State: VA ZIP: 20153-1200</p>	<p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 C.F.R. 3.41)..... \$40.00</p> <p><input checked="" type="checkbox"/> Enclosed (Check No. 14456)</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account (if necessary)</p> <p>8. Deposit account number: 16-0607</p>
---	--

DO NOT USE THIS SPACE

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

Carol L. Druzbeck, Reg. No. 40,287  January 19, 2005  
Name and Registration No. of Person Signing Signature Date

Total number of pages including cover sheet: 2

CMB No. 0851-0011 (exp. 4/94)

01/31/2005 DBYRNE 00000010 11037258

01 FC:8021

40.00 OP

**ASSIGNMENT**

In consideration of the promises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

- (1) Oh Suk KWON (4) \_\_\_\_\_
- (2) Jong Woo KIM (5) \_\_\_\_\_
- (3) \_\_\_\_\_ (6) \_\_\_\_\_

who have made a certain new and useful invention, hereby sell, assign and transfer unto

**LG ELECTRONICS INC.**

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

**APPARATUS AND METHOD FOR GENERATING PULSATING NOISE IN AUDIO DEVICE**

- (a) for which an application for United States Letters Patent was filed on \_\_\_\_\_, and identified by United States Serial No. \_\_\_\_\_; or
- (b) for which an application for United States Letters Patent was executed on \_\_\_\_\_

and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and/or that claim priority thereto and any and all extensions, divisions, issues, substitutes, renewals, continuations, or continuations-in-part thereof and/or that claim priority thereto, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, renewed or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

AND the undersigned hereby grants the firm of FLESHNER & KIM, LLP the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of any issuing authority, including the United States Patent and Trademark Office, for recordation of this document.

SIGNED on the dates indicated aside our signatures:

INVENTORS

DATE SIGNED

- 1) \_\_\_\_\_  
Name: **Oh Suk KWON**
- 2) \_\_\_\_\_  
Name: **Jong Woo KIM**
- 3) \_\_\_\_\_  
Name: \_\_\_\_\_
- 4) \_\_\_\_\_  
Name: \_\_\_\_\_

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_