

11-12-1999



FORM PTO 1596  
1-31-92

11/1/99

101199666

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

DOCKET NO.: K-121

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

<p>1. Name of conveying party(ies): Sang Jin LEE, Ui Sik KWAK and Jong Jin KIM</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: <u>LG Information &amp; Communications, Ltd.</u></p> <p>Internal Address:</p> <p>Street Address: <u>20, Yoido-dong, Youngdungpo-gu</u></p> <p>City: <u>Seoul</u></p> <p>State/Country: <u>KOREA</u> ZIP:</p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>2. 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: <u>September 15, 1999</u></p>	

10504 U.S. PTO  
09/431965  
11/01/99

4. Application number(s) or patent number(s): 09/431965

If the document is being filed together with a new application, the execution date of the application is: September 15, 1999

<p>A. Patent Application No(s): Filed:</p>	<p>B. Patent No(s)</p>
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Additional numbers attached?  Yes  No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>FLESHNER &amp; KIM</u></p> <p>Internal Address:</p> <p>Street Address: <u>P. O. Box 221200</u></p> <p>City: <u>Chantilly</u> State: <u>VA</u> ZIP: <u>20153-1200</u></p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 C.F.R. 3.41)..... \$40.00</p> <p><input checked="" type="checkbox"/> Enclosed (Check No. 7827)</p> <p><input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number:</p> <p><u>16-0607</u></p>
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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.*

Daniel Y.J. Kim, Reg. No. 36,186      November 1, 1999  
Name and Registration No. of Person Signing      Signature      Date

Total number of pages comprising cover sheet: 2

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

11/10/1999 VBROWN 00000089 09431965  
FC:581 40.00 DP

ASSIGNMENT

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

- (1) Sang Jin LEE (4) \_\_\_\_\_
- (2) Ui Sik KWAK (5) \_\_\_\_\_
- (3) Jong Jin KIM (6) \_\_\_\_\_

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

LG Information & Communications, Ltd.  
\_\_\_\_\_  
20, Yoido-dong, Youngdungpo-gu, Seoul, Korea

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

INTERMEDIATE FREQUENCY LOCAL GENERATING CIRCUIT

(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 September 15, 1999,

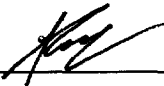
and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, 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, reissued 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.


SIGNED on the dates indicated aside our signatures:

INVENTORS

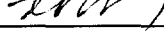
DATE SIGNED

1)   
Name: Sang Jin LEE

September 15, 1999

2)   
Name: Ui Sik KWAK

September 15, 1999

3)   
Name: Jong Jin KIM

September 15, 1999