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Patent and Trademark Office

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1. Name of conveying party(ies):
**Kwi Dong Kim; Jong Kee Kwon; Hee Bum Jung;
Kyung Soo Kim**

2. Name and address of receiving party(ies):
Name: **Electronics and Telecommunications
Research Institute**

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

Internal Address: _____
Street Address: **161 Gajeong-dong, Yusong-gu**

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____

City: **Daejeon-city** State: _____ ZIP: _____
Country: **Republic of Korea**

Execution Date: **03/19/2003**

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

4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is: **03/19/03**

A. Patent Application No.(s)

B. Patent No.(s)

10410829

Additional numbers attached? No Yes

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

6. Total number of applications and patents involved: **1**

Name: **Blakely, Sokoloff, Taylor & Zafman LLP**

7. Total Fee (37 CFR 3.41).....\$ **40.00**
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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.

Eric S. Hyman

Name of Person Signing

[Signature] **4/9/03**

Signature

Date

Total number of pages including cover sheet, attachments, and document: **3**

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Docket No. 2013P085

PATENT
REEL: 013963 FRAME: 0539

36971 U.S. PTO
10/410829
04/09/03

ASSIGNMENT

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

- (1) Kwi-dong Kim (5) _____
(2) Jong-kee Kwon (6) _____
(3) Hee-bum Jung (7) _____
(4) Kyung-soo Kim (8) _____

who have made a certain new and useful invention, hereby sell, assign and transfer unto Electronics and Telecommunications Research Institute of 161 Gajeong-dong Yusong-gu, Daejeon-city, Rep. of 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

ADAPTIVE LOOP GAIN CONTROL CIRCUIT FOR VOLTAGE CONTROLLED OSCILLATOR

(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 March 19, 2003

and the undersigned hereby authorize and request the United States Commissioner of Patent and Trademarks to issue any and all United States Letters Patents which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals or continuations 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 of the dates indicated aside our signatures:

INVENTORS

DATE SIGNED

- 1) Kwi-dong Kim _____ March 19, 2003
Name: Kwi-dong Kim
- 2) Jong-kee Kwon _____ March 19, 2003
Name: Jong-kee Kwon
- 3) Hee-bum Jung _____ Mar. 19, 2003
Name: Hee-bum Jung
- 4) Kyung-soo Kim _____ mar. 19. 2003
Name: Kyung-soo Kim