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To the Director of the Patent and Trademark Office:
Please record the attached documents or the new address(es) below.

Attorney Dkt. No.: 038779/293171

1. Name of conveying party(ies):

Sang Gug Lee
So Bong Shin
Seok Ju Yun

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

Information and Communications University
Research and Industrial Cooperation Group
103-6 Munjidong, Yuseong-gu
Daejeon 305-732, Korea

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

3. Nature of conveyance/ Execution Date(s):

Execution Date(s) March 28, 2005

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

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

4. Application or patent number(s):

A. Patent Application No.(s) _____

B. Patent No.(s) _____

☒ This document is being filed together with a new application. Additional numbers attached? Yes ☐ No ☒

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

ALSTON & BIRD LLP
Bank of America Plaza
101 South Tryon Street, Suite 4000
Charlotte, NC 28280-4000

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00

- ☒ Enclosed
☐ Authorized to be charged to deposit account
☐ None required (government interest not affecting title)

8. Deposit account number: 16-0605

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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.*

Name of Person Signing: Guy R. Gosnell
Reg. No. 34,610

June 1, 2005
Date

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

USPTO Fax Number for New Assignments (703) 306-5995

CLT01/4714208v1

PATENT
REEL: 016650 FRAME: 0420

ASSIGNMENT

THIS ASSIGNMENT, made by us, **LEE, SANG GUG**, citizen of Korea, residing at Yeolmaemaoul Apt. 604-901, 880, Jijok-dong, Yuseong-gu, Daejeon, 305-770, Korea; **SHIN, SO BONG**, citizen of Korea, residing at 58-4, Hwaam-dong, Yuseong-gu, Daejeon, 305-732, Korea; **YUN, SEOK JU**, citizen of Korea, residing at 215-7, Naedang 1-dong, Seo-gu, Daegu, 703-802, Korea

WITNESSETH: That,

WHEREAS, We are the joint inventors of certain new and useful

DIFFERENTIAL VOLTAGE CONTROLLED OSCILLATOR USING COMPLEMENTARY TRANSISTORS
CROSS-COUPLED IN SERIES, AND TRANSCEIVER USING THE SAME

for which an application for United States Letters Patent has been executed by us concurrently herewith, and

WHEREAS, **Information and Communications University Research and Industrial Cooperation Group**, a university having a principal place of business at 103-6 Munjidong, Yuseong-gu, Daejeon 305-732, Korea, hereinafter referred to as assignee, is desirous of acquiring the entire right, title, and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;


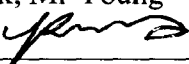



NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, We have sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, We possess full title to the invention and application above-mentioned, and that We have the unencumbered right and authority to make this assignment.

We further covenant and agree to bind our heirs, legal representatives, and assigns promptly to communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute the assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF, We have hereunto set our hand and seal as dated below:

Witness	 LEE, SANG GUG	3-28-2005 Date
Park, Mi-Young		
 Witness	 SHIN, SO BONG	3-28-2005 Date
Kim, Hye-Jin		
 Witness	 YUN, SEOK JU	3-28-2005 Date
Park, Yun-Ha		
Park, Yun-Ha		