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10-803

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1. Name of conveying party(ies):

Hong Yeol LEE; Jin Woo HAHN; Dong Suk JUN;
Kyoung Suk KO

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☒ No ☐ Yes

3. Nature of Conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: 7/19/03

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

Name: Electronics and Telecommunications
Research Institute

Internal Address: _____

Street Address: 161 Gajeong-Dong, Yuseong-Gu

City: Daejeon-Shi State: _____ ZIP: _____

Country: Republic of Korea

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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: 7/19/03

A. Patent Application No.(s)

10/682628

B. Patent No.(s)

Additional numbers attached? ☒ No ☐ Yes

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

Name: Blakely, Sokoloff, Taylor & Zafman LLP

Internal Address: _____

Street Address: 12400 Wilshire Boulevard
7th Floor

City: Los Angeles State: CA ZIP: 90025

6. Total number of applications and patents involved:

1

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

☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit Account Number:

02-2666

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Docket No. 5882P052

PATENT
REEL: 014598 FRAME: 0061

2286 U.S. PTO
10/682628



100803

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) <u>Hong Yeol LEE</u>	(5) <u>Sang Seok LEE</u>
(2) <u>Jin Woo HAHN</u>	(6) _____
(3) <u>Dong Suk JUN</u>	(7) _____
(4) <u>Kyoung Suk KO</u>	(8) _____

who have made a certain new and useful invention, hereby sell, assign and transfer unto
ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, a institute
organized under the laws of the Republic of Korea, located at 161 Gajeong-Dong,
Yuseong-Gu, Daejeon-Shi, Republic of Korea,


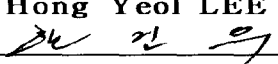

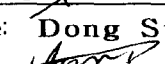
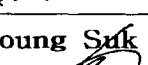
its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for
the United States of America as defined in 35 U.S.C. 100 in the invention entitled
DIRECTIONAL COUPLER USING NON-RADIATIVE DIELECTRIC WAVEGUIDE

(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 Patent and
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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: VARIABLE GAIN AMPLIFIER

<u>INVENTORS</u>	<u>DATE SIGNED</u>
1) <u></u> Name: <u>Hong Yeol LEE</u>	<u>July 19, 2003</u>
2) <u></u> Name: <u>Jin Woo HAHN</u>	<u>July 19, 2003</u>
3) <u></u> Name: <u>Dong Suk JUN</u>	<u>July 19, 2003</u>
4) <u></u> Name: <u>Kyoung Suk KO</u>	<u>July 19, 2003</u>
5) <u></u> Name: <u>Sang Seok LEE</u>	<u>July 19, 2003</u>