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

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

3. Nature of conveyance:



Assignment



Merger



Security Agreement



Change of Name



Other _____

Execution Date: March 26, 2002

2. Name and address of receiving party(ies)

Name: SAMSUNG ELECTRONICS CO., LTD.

Internal Address: _____

Street Address: 416, Maetan-Dong, Paldal-Gu

Suwon-City, Kyungki-do

Korea, Republic of Korea

City: _____ State: _____ Zip: _____

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

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: _____

A. Patent Application No.(s)

09/767,702

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Steve Cha

Internal Address: Klauber & Jackson

Street Address: 411 Hackensack Ave.

City: Hackensack State: NJ Zip: 07601

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:

11-1153

(Attach duplicate copy of this page if paying by deposit account)

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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.

Steve Cha

Name of Person Signing

Signature

Date

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

40.00 documents to be recorded with required cover sheet information to:
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A S S I G N M E N T

WHEREAS, KOREA ADVANCED INSTITUTE OF SCIENCE AND
TECHNOLOGY

with offices at:

373-1, Kusong-Dong, Yusong-Ku
Taejon, 305-701, Republic of Korea

as Assignor, presently holds the entire right, title and interest in certain new and useful
improvements in the invention entitled:

BIDIRECTIONAL ADD/DROP MULTIPLEXER AND BIDIRECTIONAL ADD/DROP
AMPLIFIER MODULE FOR BAND-SPLIT BIDIRECTIONAL NETWORKS

for which Application for Letters Patent was filed in the United States on January 24, 2001 as
Serial No. 09/767,702; said entire right, title and interest therein having been by assignment of
all inventors thereof, Chang Hee Lee; Hyun Deok Kim; Jeong Hun Shin; Tae Won Oh and Yun
Hee Cho, filed concurrently with the filing of the Application on January 24, 2001, and

SAMSUNG ELECTRONICS CO., LTD.

with offices at

416, Maetan-Dong, Paldal-Gu,
Suwon-City, Kyungki-do,
Korea, Republic of Korea

desire to become Assignees

NOW, THEREFORE, for other good and valuable consideration, the receipt of which is
hereby acknowledged, the said

KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY

has sold, assigned, transferred and set over, and by these presents does hereby sell, assign,
transfer and set over, to the said

SAMSUNG ELECTRONICS CO., LTD.

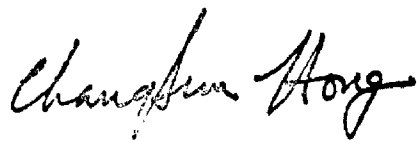
as Assignees, their respective successors, legal representatives and assigns, undivided interests in its right, title and interest in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, including the right to claim priority under the terms of any appropriate International Convention based upon said application for Letters Patent of the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and extensions, renewals and reissues thereof; Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to both the said

SAMSUNG ELECTRONICS CO., LTD.

their respective successors, legal representatives and assigns, in accordance with the terms of this instrument.

IN TESTIMONY WHEREOF, Assignor has hereunto caused this instrument to be signed the day and year set forth below.

Date March 26, 2002

BY: 
(Signature)

Chang-Sun HONG
(Print Name)

TITLE: President