

01-19-2000



EXPRESS MAIL NO. EL427974222US

R SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Y

To the Honorable Commissioner

101246733

ie attached original document or copy thereof.

1. Name(s) of conveying party(ies):

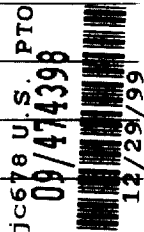
- 1) CHANGOO LEE
- 2) DAE YOUNG KIM
- 3) JUNG WHAN KIM
- 4) HAE WON JUNG
- 5) HYEONG HO LEE
- 6)

Additional names of conveying parties attached? ☐ Yes ☒ No

2. Name and address of receiving party:

Name: ELECTRONICS AND TELECOMMUNICATIONS
RESEARCH INSTITUTE

Internal Address: _____

Street Address: 161 KAJONG-DONGYUSONG-GUPostal Code & City: TAEJON, 305-350Country REPUBLIC OF KOREAAdditional names & addresses attached? ☐ Yes ☒ No

3. Nature of conveyance:

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

Execution Dates:

- | | |
|----------------------------|----------------------------|
| 1) <u>OCTOBER 13, 1999</u> | 4) <u>OCTOBER 19, 1999</u> |
| 2) <u>OCTOBER 14, 1999</u> | 5) <u>OCTOBER 20, 1999</u> |
| 3) <u>OCTOBER 14, 1999</u> | 6) _____ |

4. Application number(s) or registration number(s):

5.

If this document is being filed together with a new application,
the execution date of the application is DECEMBER 29, 1999.

A. Patent Application No(s).

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

01/14/2000 DBUTLER 00000008 09474398

02 FC:581

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

Name: SEED AND BERRY LLPInternal Address: E. RUSSELL TARLETONStreet Address: 701 FIFTH AVENUE, SUITE 6300City: SEATTLE State: WA ZIP: 98104-70926. Total number of applications and patents involved..... 17. Total Fee (37 CFR 3.41): \$40☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number:

19-1090

DO NOT USE THIS SPACE

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.*E. RUSSELL TARLETON

Name of Person Signing

E. Russell Tarleton

Signature

12-29-99

Date

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

ASSIGNMENT

WHEREAS, we, Changoo Lee, Dae Young Kim, Jung Whan Kim, Hae Won Jung and Hyeong Ho Lee (hereinafter referred to as ASSIGNORS), having post office addresses of 3-610 Dongsan APT, Galma-Dong, Seu-Gu, Taejon, Republic of Korea; EXPO APT 402-1002, Junmin-Dong, Yusung-Gu, Taejon, Republic of Korea; Kangbyun APT 107-1504, Ueun-Dong, Yusung-Gu, Taejon, Republic of Korea; Hanbit APT 128-1101, Ueun-Dong, Yusung-Gu, Taejon, Republic of Korea; Hanbit APT 108-1003, Ueun-Dong, Yusung-Gu, Taejon, Republic of Korea, respectively, are the joint inventors of an invention entitled "METHOD AND APPARATUS FOR ENCODING MB810 LINE CODE WITH THE CHARACTERISTICS OF MINIMUM BANDWIDTH AND DC-FREE," as described and claimed in the specification forming part of an application for United States letters patent executed herewith claiming priority based on an application filed in Korea identified by Application No. 1999-34713, filed August 20, 1999.

WHEREAS, Electronics and Telecommunications Research Institute (hereinafter referred to as ASSIGNEE), a non-profit organization of Korea having a place of business at 161 Kajong-Dong, Yusong-Gu, Taejon, 305-350, Republic of Korea, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents

required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

Oct. 13, 1999
Date

Changoo Lee
Changoo Lee

Oct. 14, 1999
Date

Dae Young Kim
Dae Young Kim

Oct. 14, 1999
Date

Jung Whan Kim
Jung Whan Kim

Oct. 19, 1999
Date

Hae Won Jung
Hae Won Jung

Oct. 20, 1999
Date

Hyeong Ho Lee
Hyeong Ho Lee

U:\conniec\ert99\1640 (3000585.416)