

4-8-03 RECC

04-10-2003

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

The Honorable Commissioner of Patents and Trademarks

all documents or copy thereof.

102415258

1. Name of conveying party(ies):

Young C. Yoon
Patrik Nils Lundqvist
Todd Ruth

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

Name: Telefonaktiebolaget LM Ericsson (Publ)

Internal Address: _____

Street Address: Telefonvagen 30, SE-12625 Stockholm, Sweden

City _____ State _____ Zip _____

Additional names of conveying party(ies) attached? ☐ yes ☐ no

3. Nature of conveyance:

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

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

Execution Date: 3/10/03; 3/13/03; 3/27/03

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)
10/334,500

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Michael D. Murphy

Internal Address: Coats & Bennett, P.L.L.C.

Street Address: 1400 Crescent Green, Suite 300

City: Cary State: NC Zip: 27511

6. Total number of applications and patents involved: _____

7. Total fee (37 CFR 3.41): \$40.00

☒ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number: 18-1167

(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.

Michael D. Murphy
Name of Person Signing

Signature

4/3/03
Date

Total number of pages comprising cover sheet: 1

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04/09/2003 DBYRNE 00000122 10334500

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40.00 DP

PATENT
 REEL: 013928 FRAME: 0641

Attorney Docket Number
4740-168/P17726

ASSIGNMENT LETTER

In consideration of One Dollar and Other good and valuable consideration, of which we acknowledge receipt, we, **Young C. Yoon**, a citizen of Canada, residing at **7215 Calabria Ct., #79, San Diego, CA 92122**; **Patrik Nils Lundqvist**, a citizen of Sweden, residing at **1166 Avenida Esteban, Encinitas, CA 92024**; and **Todd Ruth** a citizen of the United States, residing at **30219 Cole Grade Road, Valley Center, CA 92082**; sell and assign to Telefonaktiebolaget LM Ericsson(Publ), (the Company), its successors and assigns the entire right, title, and interest in and to the improvements in a **RESOURCE GRANTING IN MULTI-CARRIER CDMA SYSTEMS**, invented by us, as described in the application for United States patent identified by Serial Number 10/334,500 and filed on December 31, 2002, and any and all applications for patent and patents therefor in any and all countries, including all divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said United States application, and authorize and request any official whose duty it is to issue patents, to issue any patents on said improvements or resulting therefrom to the Company, or its successors or assigns and agree that on request and without further consideration, but at the expense of the Company, we will communicate to the Company or its representatives or nominees any facts known to us respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the Company, its successors, and nominees to obtain and enforce proper patent protection for the improvements in all countries.

Date

Young C. Yoon

Date

Patrik Nils Lundqvist

2003-03-10

Todd Ruth

Date

Todd Ruth

STATE OF _____

County

I, _____, a Notary Public for said County and State, do hereby certify that Young C. Yoon personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the _____ day of _____, 20_____.

(Official Seal)

Notary Public

My commission expires _____

Attorney Docket Number
4740-168/P17726

ASSIGNMENT LETTER

STATE OF _____
_____ County

I, _____, a Notary Public for said County and State, do hereby certify that Patrik Nils Lundqvist, personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the _____ day of _____, 20____.

(Official Seal)

Notary Public

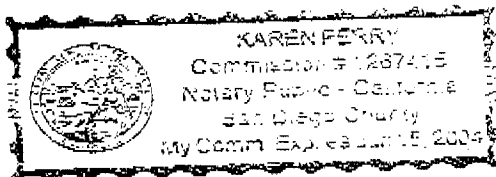
My commission expires _____.

STATE OF California
San Diego County

I, Karen Perry, a Notary Public for said County and State, do hereby certify that Todd Ruth, personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 10 day of March, 2003.

(Official Seal)

Karen Perry
Notary PublicMy commission expires June 15, 2004.

Attorney Docket Number
4740-168/P17726

ASSIGNMENT LETTER

In consideration of One Dollar and Other good and valuable consideration, of which we acknowledge receipt, we, **Young C. Yoon**, a citizen of Canada, residing at **7215 Calabria Ct., #79, San Diego, CA 92122**; **Patrik Nils Lundqvist**, a citizen of Sweden, residing at **1166 Avenida Esteban, Encinitas, CA 92024**; and **Todd Ruth** a citizen of the United States, residing at **30219 Cole Grade Road, Valley Center, CA 92082**; sell and assign to Telefonaktiebolaget LM Ericsson(Publ), (the Company), its successors and assigns the entire right, title, and interest in and to the improvements in a **RESOURCE GRANTING IN MULTI-CARRIER CDMA SYSTEMS**, invented by us, as described in the application for United States patent identified by Serial Number 10/334,500 and filed on December 31, 2002, and any and all applications for patent and patents therefor in any and all countries, including all divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said United States application, and authorize and request any official whose duty it is to issue patents, to issue any patents on said improvements or resulting therefrom to the Company, or its successors or assigns and agree that on request and without further consideration, but at the expense of the Company, we will communicate to the Company or its representatives or nominees any facts known to us respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the Company, its successors, and nominees to obtain and enforce proper patent protection for the improvements in all countries.

Mar 13, 2003

Date

Date

Date

Young C. Yoon

Patrik Nils Lundqvist

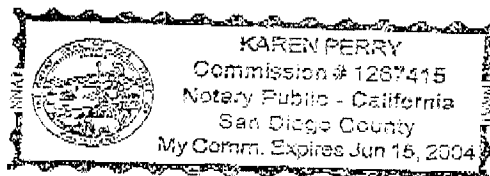
Todd Ruth

STATE OF California
San Diego County

I, Karen Perry, a Notary Public for said County and State, do hereby certify that Young C. Yoon personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 13 day of March, 2003.

(Official Seal)

Karen Perry
Notary Public

My commission expires June 15, 2004.

Attorney Docket Number
4740-168/P17726

ASSIGNMENT LETTER

STATE OF _____
_____ County

I, _____, a Notary Public for said County and State, do hereby certify that Patrik Nils Lundqvist, personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the _____ day of _____,
20_____.

(Official Seal)

Notary Public

My commission expires _____, _____.

STATE OF _____
_____ County

I, _____, a Notary Public for said County and State, do hereby certify that Todd Ruth, personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the _____ day of _____,
20_____.

(Official Seal)

Notary Public

My commission expires _____, _____.

Attorney Docket Number
4740-168/P17726

ASSIGNMENT LETTER

In consideration of One Dollar and Other good and valuable consideration, of which we acknowledge receipt, we, **Young C. Yoon**, a citizen of Canada, residing at **7215 Calabria Ct., #79, San Diego, CA 92122**; **Patrik Nils Lundqvist**, a citizen of Sweden, residing at **1166 Avenida Esteban, Encinitas, CA 92024**; and **Todd Ruth** a citizen of the United States, residing at **30219 Cole Grade Road, Valley Center, CA 92082**; sell and assign to Telefonaktiebolaget LM Ericsson(Publ), (the Company), its successors and assigns the entire right, title, and interest in and to the improvements in a **RESOURCE GRANTING IN MULTI-CARRIER CDMA SYSTEMS**, invented by us, as described in the application for United States patent identified by Serial Number 10/334,500 and filed on December 31, 2002, and any and all applications for patent and patents therefor in any and all countries, including all divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said United States application, and authorize and request any official whose duty it is to issue patents, to issue any patents on said improvements or resulting therefrom to the Company, or its successors or assigns and agree that on request and without further consideration, but at the expense of the Company, we will communicate to the Company or its representatives or nominees any facts known to us respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the Company, its successors, and nominees to obtain and enforce proper patent protection for the improvements in all countries.

Date 3/27/03
Date _____
Date _____

Young C. Yoon
Patrik Nils Lundqvist
Todd Ruth

STATE OF Calif
County _____

I, _____, a Notary Public for said County and State, do hereby certify that Young C. Yoon personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the _____ day of _____, 20____.

(Official Seal)

Notary Public

My commission expires _____.

Attorney Docket Number
4740-168/P17726

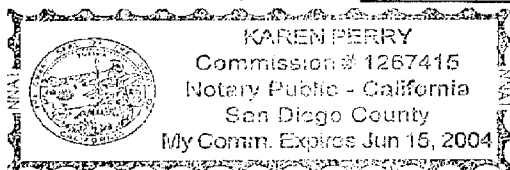
ASSIGNMENT LETTER

STATE OF California
San Diego County

I, Karen Perry, a Notary Public for said County and State, do hereby certify that Patrik Nils Lundqvist, personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 27 day of March, 2003.

(Official Seal)



Karen Perry
Notary Public

My commission expires June 15, 2004.

STATE OF _____
_____ County

I, _____, a Notary Public for said County and State, do hereby certify that Todd Ruth, personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the _____ day of _____, 20.

(Official Seal)

Notary Public

My commission expires _____, _____.