

1-31-92

Patent and Trademark Office

The Honorable Commissioner of Patents and Trademarks

original documents or copy thereof.

1. Name of conveying party(ies):

Anthony C.K. Soong
Seong-Jun Oh
Shiau-He Shawn Tsai
Young C. Yoon

Additional names of conveying party(ies) attached? ☐ Yes ☐ No

102758104

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

Name: Telefonaktiebolaget LM Ericsson (Publ)

Internal Address:

Street Address: Telefonplan, S126 25 Stockholm, Sweden

City _____ State _____ Zip _____

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____Additional name(s) & address(es) attached? ☐ Yes ☒ No

Execution Date: 4/21/04; 4/27/04; 5/13/04 and 5/21/04

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)
10/779,518

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: 1

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

May 26, 2004

Date

Total number of pages comprising cover sheet: 1

OMB NO. 0651-0011 (exp. 4/94)

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06/02/2004 8TON11 00000136 10779518

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PATENT
REEL: 015395 FRAME: 0838

ASSIGNMENT LETTER

In consideration of One Dollar and Other good and valuable consideration, of which we acknowledge receipt, we, **Anthony C.K. Soong**, a citizen of Canada, residing at **1967 Eldorado Drive, Superior, Colorado 80027**; **Seong-Jun Oh**, a citizen of the Republic of Korea, residing at **4575 Vereda Mar De Ponderosa, San Diego, CA 92130**; **Shiau-He Shawn Tsai**, a citizen of Taiwan, residing at **7335 Calle Cristobal, #156, San Diego, California 92126**; and **Young C. Yoon**, a citizen of Canada, residing at **7215 Calabria Ct., #79, San Diego, CA 92122** sell and assign to Telefonaktiebolaget L.M. Ericsson (publ), a corporation organized under the laws of Sweden, having registered offices at Telefonplan, S-126 25 Stockholm, Sweden (the Company), its successors and assigns the entire right, title, and interest in and to the improvements in a **POWER CONTROL FOR REVERSE PACKET DATA CHANNEL IN CDMA SYSTEMS**, invented by us, as described in the application for United States patent identified by Serial No. 10/779,518 and filed on February 13, 2004, 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

April 21, 2004
Date

Anthony C.K. Soong

Seong-Jun Oh

Date

Shiau-He Shawn Tsai

Date

Young C. Yoon

STATE OF _____
County

I, _____, a Notary Public for said County and State, do hereby certify that Anthony C.K. Soong 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 _____.

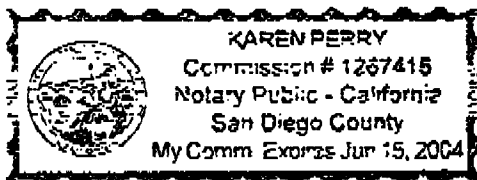
ASSIGNMENT LETTER

STATE OF California
San Diego County

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

Witness my hand and official seal, this the 21 day of April, 2004.

(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 Shiau-He Shawn Tsai 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 _____.

ASSIGNMENT LETTER

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
4740-237/P17995-US2

ASSIGNMENT LETTER

7214
Shoreline
Dr. #179

In consideration of One Dollar and Other good and valuable consideration, of which we acknowledge receipt, we, **Anthony C.K. Soong**, a citizen of Canada, residing at **1967 Eldorado Drive, Superior, Colorado 80027**; **Seong-Jun Oh**, a citizen of the Republic of Korea, residing at **4575 Vereda Mar De Ponderosa, San Diego, CA 92130**; **Shiau-He Shawn Tsai**, a citizen of Taiwan, residing at **7335 Calle Cristobal, #156, San Diego, California 92126**; and **Young C. Yoon**, a citizen of Canada, residing at **7215 Calabria Ct., #79, San Diego, CA 92122** sell and assign to Telefonaktiebolaget L.M. Ericsson (publ), a corporation organized under the laws of Sweden, having registered offices at Telefonplan, S-126 25 Stockholm, Sweden (the Company), its successors and assigns the entire right, title, and interest in and to the improvements in a **POWER CONTROL FOR REVERSE PACKET DATA CHANNEL IN CDMA SYSTEMS**, invented by us, as described in the application for United States patent identified by Serial No. 10/779,518 and filed on February 13, 2004, 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

Anthony C.K. Soong

Date

Seong-Jun Oh

Apr. 27, 04
Date

Shiau-He Shawn Tsai
Shiau-He Shawn Tsai

Apr. 23, 04
Date

Young C. Yoon
Young C. Yoon

STATE OF _____
_____ County

I, _____, a Notary Public for said County and State, do hereby certify that Anthony C.K. Soong 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
4740-237/P17995-US2

ASSIGNMENT LETTER

STATE OF _____
_____ County

I, _____, a Notary Public for said County and State, do hereby certify that Seong-Jun Oh 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 Shiao-He Shawn Tsai 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 April, 2004.

(Official Seal)



Karen Perry
Notary Public

My commission expires June 15, 2004.

Attorney Docket Number
4740-237/P17995-US2

ASSIGNMENT LETTER

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
4740-237/P17995-US2

ASSIGNMENT LETTER

In consideration of One Dollar and Other good and valuable consideration, of which we acknowledge receipt, we, **Anthony C.K. Soong**, a citizen of Canada, residing at **1967 Eldorado Drive, Superior, Colorado 80027**; **Seong-Jun Oh**, a citizen of the Republic of Korea, residing at **4575 Vereda Mar De Ponderosa, San Diego, CA 92130**; **Shiau-He Shawn Tsai**, a citizen of Taiwan, residing at **7335 Calle Cristobal, #156, San Diego, California 92126**; and **Young C. Yoon**, a citizen of Canada, residing at **7215 Calabria Ct., #79, San Diego, CA 92122** sell and assign to Telefonaktiebolaget L.M. Ericsson (publ), a corporation organized under the laws of Sweden, having registered offices at Telefonplan, S-126 25 Stockholm, Sweden (the Company), its successors and assigns the entire right, title, and interest in and to the improvements in a **POWER CONTROL FOR REVERSE PACKET DATA CHANNEL IN CDMA SYSTEMS**, invented by us, as described in the application for United States patent identified by Serial No. 10/779,518 and filed on February 13, 2004, 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 May 13, 2004

Anthony C.K. Soong

Date _____

Seong-Jun Oh

Date _____

Shiau-He Shawn Tsai

Date _____

Young C. Yoon

STATE OF Colorado
Boulder County

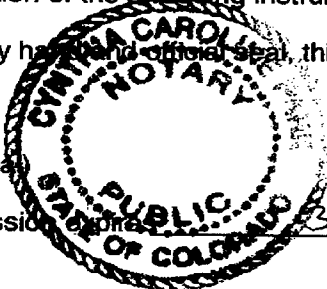
I, Cynthia Caroline Park, a Notary Public for said County and State, do hereby certify that Anthony C.K. Soong personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 13th day of May, 2004.

(Official Seal)

Cynthia Caroline Park
Notary Public

My commission expires 3/12, 2006.



Attorney Docket Number
4740-237/P17995-US2

ASSIGNMENT LETTER

STATE OF _____
_____ County

I, _____, a Notary Public for said County and State, do hereby certify that Seong-Jun Oh 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 Shiau-He Shawn Tsai 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
4740-237/P17995-US2

ASSIGNMENT LETTER

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
4740-237/P17995-US2

ASSIGNMENT LETTER

In consideration of One Dollar and Other good and valuable consideration, of which we acknowledge receipt, we, **Anthony C.K. Soong**, a citizen of Canada, residing at **1967 Eldorado Drive, Superior, Colorado 80027**; **Seong-Jun Oh**, a citizen of the Republic of Korea, residing at **4575 Vereda Mar De Ponderosa, San Diego, CA 92130**; **Shiau-He Shawn Tsai**, a citizen of Taiwan, residing at **7335 Calle Cristobal, #156, San Diego, California 92126**; and **Young C. Yoon**, a citizen of Canada, residing at **7214 Shoreline Drive, #179, San Diego, CA 92122** sell and assign to Telefonaktiebolaget L.M. Ericsson (publ), a corporation organized under the laws of Sweden, having registered offices at Telefonplan, S-126 25 Stockholm, Sweden (the Company), its successors and assigns the entire right, title, and interest in and to the improvements in a **POWER CONTROL FOR REVERSE PACKET DATA CHANNEL IN CDMA SYSTEMS**, invented by us, as described in the application for United States patent identified by Serial No. 10/779,518 and filed on February 13, 2004, 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

Anthony C.K. Soong

Date

Seong-Jun Oh

Date

Shiau-He Shawn Tsai

May 26, 04
Date

[Signature]
Young C. Yoon

STATE OF _____
_____ County

I, _____, a Notary Public for said County and State, do hereby certify that Anthony C.K. Soong 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
4740-237/P17995-US2

ASSIGNMENT LETTER

STATE OF _____
_____ County

I, _____, a Notary Public for said County and State, do hereby certify that Seong-Jun Oh 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 Shiau-He Shawn Tsai 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
4740-237/P17995-US2

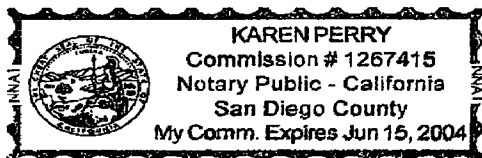
ASSIGNMENT LETTER

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 21 day of May,
20 04.

(Official Seal)



Karen Perry
Notary Public

My commission expires June 15, 2004.