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Patent and Trademark Office

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1. Name of conveying party(ies):  
Patrick A. Hosein  
Srinivasan Balasubramanian  
Rath Vannithamby

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

Name: Telefonaktiebolaget L M Ericsson (publ)

Internal Address: \_\_\_\_\_

Street Address: SE-164 83 Stockholm, Sweden

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

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

3. Nature of conveyance:

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- ☒ Assignment ☐ Merger  
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☐ Other \_\_\_\_\_

Execution Date: November 19, 2004

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: November 19, 2004

A. Patent Application No.(s)

B. Patent No.(s)

10/994,844

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

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Michael D. Murphy

Name of Person Signing

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PATENT  
REEL: 016020 FRAME: 0208

Attorney Docket Number  
P19342/US2/4740-377

# ASSIGNMENT LETTER

In consideration of One Dollar and Other good and valuable consideration, of which we acknowledge receipt, we, **Patrick A. Hosein**, a citizen of the United States, residing at **10678 Briarlake Woods Dr., San Diego, California, 92130**; **Srinivasan Balasubramanian**, a citizen of India, residing at **7347 Park Village Road, San Diego, California 92129**; and **Rath Vannithamby**, a citizen of Canada, residing at **20-7124 Schilling Avenue, San Diego, California 92126**; sell and assign to Telefonaktiebolaget L M Ericsson (publ), a corporation organized under the laws of Sweden, having registered offices at SE-164 83 Stockholm, Sweden (the Company), its successors and assigns the entire right, title, and interest in and to the improvements in a **OPTIMAL FREQUENCY OF WALSH MASK BROADCAST FOR FORWARD HIGH-SPEED PACKET DATA CHANNELS**, invented by us, as described in the application for United States patent executed concurrently herewith, 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.

2004/11/19  
Date

2004/11/19  
Date

2004/11/19  
Date

P. A. N  
Patrick A. Hosein

Srinivasan Balasubramanian  
Srinivasan Balasubramanian

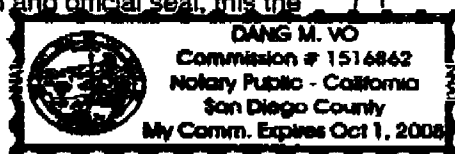
V. Rath  
Rath Vannithamby

STATE OF CA  
SD County

I, DANG M. VO, a Notary Public for said County and State, do hereby certify that Patrick A. Hosein personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 19<sup>th</sup> day of November, 2004.

(Official Seal)



Dang M. Vo  
Notary Public

My commission expires 10/1/2008.

Attorney Docket Number  
P19342/US2/4740-377

ASSIGNMENT LETTER

STATE OF CA  
SD County

I, DANG M - VO, a Notary Public for said County and State, do hereby certify that Srinivasan Balasubramanian personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 19<sup>th</sup> day of November, 2004.

(Official Seal)



[Signature]  
Notary Public

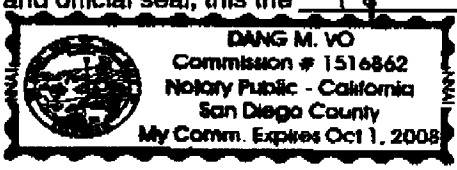
My commission expires 10/1, 2008.

STATE OF CA  
SD County

I, DANG M - VO, a Notary Public for said County and State, do hereby certify that Rath Vannithamby personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 19<sup>th</sup> day of November, 2004.

(Official Seal)



[Signature]  
Notary Public

My commission expires 10/1, 2008.