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06-29-2005

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To the Director of the U.S. Patent and T

documents or the new address(es) below.

6.2205

1. Name of conveying party(ies)

Tracy L. Fulghum
Gregory E. Bottomley

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) June 17, 2005

- Assignment Merger
- Security Agreement Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other

2. Name and address of receiving party(ies)

Name: Telefonaktiebolaget L M Ericsson (publ)

Internal Address: _____

Street Address: SE-164 83

City: Stockholm

State: _____

Country: Sweden

Zip: _____

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

112987 U.S. PTO
11/15/05

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4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

06/29/2005 MBIZUNES 00000042 11158665

05 FC:8021

40.00 DP

Additional numbers attached? Yes No

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

Name: Michael D. Murphy

Internal Address: Coats & Bennett, PLLC

Street Address: 1400 Crescent Green, Suite 300

City: Cary

State: NC

Zip: 27511

Phone Number: (919)854-1844

Fax Number: (919)854-2084

Email Address: mmurphy@coatsandbennett.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number _____

Authorized User Name _____

9. Signature:

Signature

June 22, 2005

Date

Michael D. Murphy
Name of Person Signing

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

3

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT LETTER

In consideration of One Dollar and Other good and valuable consideration, of which we acknowledge receipt, we, **Tracy L. Fulghum**, a citizen of the United States, residing at **5913 Rustic Wood Lane, Durham, NC 27713**; and **Gregory E. Bottomley**, a citizen of the United States, residing at **100 Merlot Court, Cary, NC 27511**; 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 Method and Apparatus for Using Chip Sample Correlations in One or More Received Signal Processing Operations**, 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 said 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 said 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 said Company, its successors, and nominees to obtain and enforce proper patent protection for the improvements in all countries.

2005-Jun-17
Date
2005-06-17
Date

Tracy L. Fulghum
Tracy L. Fulghum
Gregory E. Bottomley
Gregory E. Bottomley

STATE OF North Carolina
Wake County

I, *Vicki J. Redmond*, a Notary Public for said County and State, do hereby certify that **Tracy L. Fulghum** personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 17th day of June,
2005.

(Official Seal)

Vicki J. Redmond
Notary Public

My commission expires *June 23*, *2009*.

ASSIGNMENT LETTER

STATE OF NORTH CAROLINA
WAKE County

I, Vicki J. Redmond, a Notary Public for said County and State, do hereby certify that **Gregory E. Bottomley** personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 17th day of June,
20 05.

(Official Seal)

Vicki J. Redmond
Notary Public

My commission expires June 23, 2009.