

Form PTO-1595
(Rev. 10/02)

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U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

Attorney's Docket No. 0110-014

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Jacobus C. HAARTSEN

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

3. Nature of conveyance:

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

Execution Date: April 5, 2005

2. Name and address of receiving party(ies)

Name: Telefonaktiebolaget LM Ericsson (publ)

Address: _____

SE 164 83 Stockholm, SWEDEN

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

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) _____

11/021,140

B. Patent No.(s) _____

Additional numbers attached? Yes No

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

Name: Kenneth B. Leffler

Address:

Potomac Patent Group PLLC
P.O. Box 855
McLean, Virginia 22101-0855

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)..... \$ 40

- Enclosed
- Authorized to be charged to deposit account

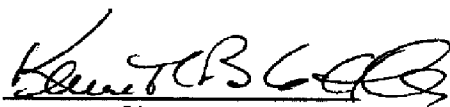
8. Deposit account number:

DO NOT USE THIS SPACE

9. Signature.

Kenneth B. Leffler, Reg. No. 36,075

Name of Person Signing



Signature

April 8, 2005

Date

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

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

OP \$40.00 11021140

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ASSIGNMENT

THIS ASSIGNMENT, by Jacobus C. HAARTSEN, residing at Bruchterweg 81, NL-7772 BG, Hardenberg, The Netherlands (hereinafter referred to as "the Assignor"), witnesseth:

WHEREAS, the Assignor has made certain new and useful inventions set forth in an application for Letters Patent of the United States ("the Application"), which is entitled ANALOG-TO-DIGITAL MODULATION, and which is:

- a provisional application
 bearing Application No. _____, and filed on _____;
 to be filed herewith; or

- a non-provisional application
 bearing Application No. 11/021,140, and filed on December 24, 2004;
 having a declaration executed on even date herewith prior to filing of the application; or
 having an oath or declaration executed on a date other than the date of execution of this Assignment; and

WHEREAS, Telefonaktiebolaget L M Ericsson (publ), a corporation duly organized under and pursuant to the laws of Sweden and having a principal place of business at SE-164 83 Stockholm, Sweden (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to the inventions; the entire right, title, and interest in and to the Application; the right to file applications on the inventions; and the entire right, title, and interest in and to any applications, including provisional and non-provisional applications for Letters Patent of the United States or other countries, claiming the benefit of and/or priority to the Application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions in the United States of America and all other countries. These rights, titles, and interests include, but are not limited to: all rights to and privileges in the Application, related already-filed and yet-to-be-filed applications (including but not limited to utility applications, continuation applications, continuation-in-part applications, divisional applications, and reissue applications), and any and all Letters Patent or Patents that may be granted in the United States of America or other countries for said inventions; all rights of priority arising from the Application identified above; and all rights and privileges under any and all forms of protection, including Patents, that may be granted in the United States of America and other countries for the inventions. All of the above-mentioned rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale, assignment, transfer, and set over not been made;

AND for the same consideration, the Assignor authorizes the Assignee to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent

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or other form of protection for said inventions, without further authorization from the Assignor, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements;

AND for the same consideration, the Assignor hereby consents that a copy of this Assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country as proof of the right of the Assignee to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority;

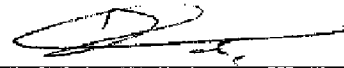
AND for the same consideration, the Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns that, when requested, the Assignor shall, without charge to the Assignee but at its expense, sign all papers, and do all acts which may be necessary or desirable in connection with the above-mentioned applications, patents, or other forms of protection;

AND the Assignor hereby authorizes and requests that the Potomac Patent Group PLLC insert in the spaces provided above the filing date, attorney's docket number and other identifying indicia of the Application if absent;

AND the Assignor hereby requests that the Commissioner of Patents issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date April 5, 2005

Signature of Assignor



Jacobus C. HAARTSEN