

12-15-1998

Only



To the Honorable Commissioner of Patents

100922526

November 18, 1998
Attorney Dkt 8194-195

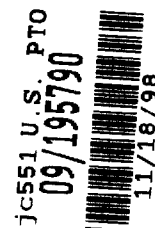
Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Nils Rydbeck
Barbara Molnar
Jiann-Ching Guey
Ali Khayrallah
R. David Koilpillai

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

Ericsson Inc.
7001 Development Drive
Research Triangle Park, NC 27709



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

3. Nature of conveyance:

- X Assignment
___ Merger
___ Security Agreement
___ Change of Name
___ Other

Execution Dates: November 3, 1998; October 30, 1998;
October 28, 1998; October 28, 1998; and October 28, 1998

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

4. Application Serial No. _____ Patent No. _____

If this document is being filed together with a new application, the execution date of the application
is: November 3, 1998; October 30, 1998; October 28, 1998; October 28, 1998; and October 28, 1998

Additional numbers attached? ___ Yes X No

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

Robert M. Meeks
Myers Bigel Sibley & Sajovec
P. O. Box 37428
Raleigh NC 27627

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$40.00
X Enclosed
___ Authorized to be charged to deposit account

8. Deposit account number: 50-0220

DO NOT USE THIS SPACE

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.

Robert M. Meeks, #40,723
Name of Person Signing

Signature

November 18, 1998
Date

Total number of pages including cover sheet, attachments and document: 5

ASSIGNMENT

THIS ASSIGNMENT, made by us, Nils Rydbeck, citizen of Sweden, residing at 202 Rutherglen, Cary, 27511, County of Wake, State of North Carolina; Barbara Molnar, citizen of the United States of America, residing at 110 Flying Leaf Court, Cary, 27511, County of Wake, State of North Carolina; Jiann-Ching Guey, citizen of Taiwan, residing at 4516 G Emerald Forest Drive, Durham 27713, County of Durham, State of North Carolina; Ali Khayrallah, citizen of Lebanon, residing at 113 Streamview Drive, Apex 27502, County of Wake, State of North Carolina; and R. David Koilpillai, citizen of India, residing at 1904 Loganwood Drive, Apex 17502, County of Wake, State of North Carolina, respectively;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **Apparatus and Methods for Providing High-Penetration Messaging in Wireless Communications Systems** for which an application for United States Letters Patent has been executed by us concurrently herewith, and

WHEREAS, **Ericsson Inc.**, a Delaware corporation having a principal place of business at Research Triangle Park, County of Wake, State of North Carolina, hereinafter referred to as assignee, is desirous of acquiring the entire right, title, and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

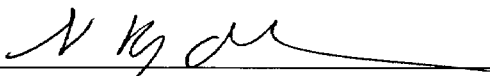
NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.


We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to bind our heirs, legal representatives, and assigns promptly to communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF, we have hereunto set our hands and seals on this _____ day of _____, 19.



Nils Rydbeck (SEAL)



Barbara Molnar (SEAL)



Jiann-Ching Guey (SEAL)



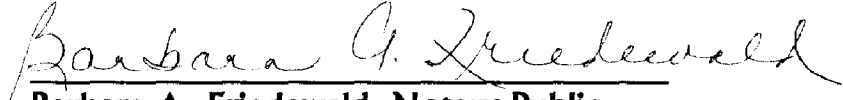
Ali Khayrallah (SEAL)



R. David Kottipillai (SEAL)

State of North Carolina
County of Wake

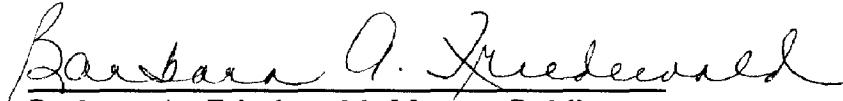
Before me, a Notary Public in and for the County and State aforesaid, appeared Jiann-Ching Guey, Ali Khayrallah and R. David Koilpillai to me known to be the persons described in and who executed the foregoing instrument, and they acknowledged to me that they executed the same for the purposes therein stated this 28th day of October, 19 98.


Barbara A. Friedewald, Notary Public

My commission expires: March 1, 2003

State of North Carolina
County of Wake

Before me, a Notary Public in and for the County and State aforesaid, appeared Barbara Molnar to me known to be the person described in and who executed the foregoing instrument, and she acknowledged to me that she executed the same for the purposes therein stated this 30th day of October, 19 98.


Barbara A. Friedewald, Notary Public

My commission expires: March 1, 2003

State of North Carolina

County of Wake

Before me, a Notary Public in and for the County and State aforesaid, appeared Nils Rydbeck to me known to be the person described in and who executed the foregoing instrument, and he acknowledged to me that he executed the same for the purposes therein stated this 3 day of July, 1998.

Cynthia R. Cline
Notary Public

My commission expires: March 4, 2001