

03-18-1999

ASSIGNME



ER SHEET Patents Only

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

March 1, 1999
Attorney Dkt. 8194-194

1. Name of conveying party(ies):

Kumar Balachandran
Nils Rydbeck
R. David Koilpillai

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

Ericsson Inc.
7001 Development Drive
Post Office Box 13969
Research Triangle Park, NC 27709



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

3. Nature of conveyance:

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

Execution Date: February 19 & 25, 1999

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: March 1, 1999

Additional numbers attached? ___ Yes X No

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

USPTO Customer Number 20792
Mitchell S. Bigel
Myers Bigel Sibley & Sajovec
Post Office Box 37428
Raleigh, North Carolina 27627

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: 50-0220

DO NOT USE THIS SPACE

~~03/15/1999 GUNCKETT 90000042 09259964~~

~~08 FC:581~~ 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.

Timothy J. O'Sullivan, Reg. No. 35,632
Name of Person Signing

Signature

3/1/99
Date

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

ASSIGNMENT

THIS ASSIGNMENT, made by us, **Kumar Balachandran**, a citizen of India, residing at 302 Ravenstone Drive, Cary, State of North Carolina; **Nils Rydbeck**, a citizen of Sweden, residing at 202 Rutherglen, Cary, State of North Carolina; and **R. David Koilpillai**, a citizen of India, residing at 1904 Loganwood Drive, Apex, State of North Carolina;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **SPLITTER-LESS DIGITAL SUBSCRIBER LOOP MODEMS WITH IMPROVED THROUGHPUT AND VOICE AND DATA SEPARATION** 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;

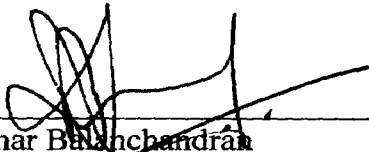
NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I have sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, 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.

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


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

I further covenant and agree to bind my heirs, legal representatives, and assigns promptly to communicate to said assignee or its representatives any facts known to me 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.

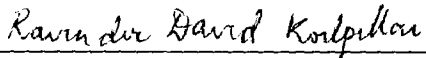
IN WITNESS WHEREOF, I have hereunto set my hand and seal on this _____ day of _____, 1998.



Kumar Balachandran (SEAL)



Nils Rydbeck (SEAL)



R. David Koilpillai (SEAL)

STATE OF NORTH CAROLINA)
) ss:
COUNTY OF _____)

Before me personally appeared Kumar Balachandran, Nils Rydbeck, 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 purpose therein stated, this _____ day of _____, 1998.

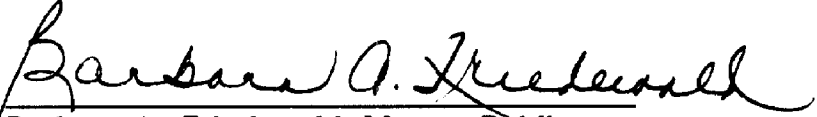
(SEAL) _____
Notary Public

My Commission Expires: _____

February 19, 1999

State of North Carolina
County of Wake

Before me, a Notary Public in and for the County and State aforesaid, appeared Kumar Balachandran and R. David Koilpillai, to me personally known to be the signers of the foregoing instrument, and acknowledged execution of said instrument as a free and voluntary act for the uses and purposes therein expressed.


Barbara A. Friedewald, Notary Public

My commission expires: March 1, 2003

PATENT
REEL: 9814 FRAME: 0379

Feb 25, 1999

State of North Carolina
County of Wake

Before me, a Notary Public in and for the County and State aforesaid, appeared

Dils Rydbeck

to me personally known to be the signer of the foregoing instrument, and acknowledged execution of said instrument as a free and voluntary act for the uses and purposes therein expressed.

Cynthia R Crowell

My commission expires: Mar 4, 2001