1. Name of conveying party(ies):

David Rand Irvin

3. Nature of conveyance:

Security Agreement Change of Name

Execution Date: October 7, 1999

4. Application Serial No.

concerning document should be mailed:

5. Name and address of party to whom correspondence

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X Assignment Merger

Other

is: October 12, 1999

Additional numbers attached?

USPTO Customer No. 20792

Myers Bigel Sibley & Sajovec

Raleigh, North Carolina 27627

Scott C. Hatfield

Post Office Box 37428

ASSIGNMEN

Please record the attached original documents or copy thereof.

10-27-1999

Yes X No

Yes X No



ER SHEET Patents Only

To the Honorable Commissioner of Patents a

Additional name(s) of conveying party(ies) attached?

101183940

October 12, 1999 Attorney Dkt: 8194-333 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) & address(es) attached? Yes X No Patent No. 09/417243 If this document is being filed together with a new application, the execution date of the application 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3:41) XX Enclosed Authorized to be charged to deposit account 8. Deposit account number: 50-0220

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.

10/22/1999 SCANHICH 00000109 0941724

Scott C. Hatfield, Reg.# 38,176

Name of Person Signing

Toler 12, 1998

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

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PATENT REEL: 010330 FRAME: 0364

ASSIGNMENT

THIS ASSIGNMENT, made by me, **David Rand Irvin**, a citizen of the United States of America, residing at 1546 Iredell Drive, Raleigh, North Carolina;

WITNESSETH: That,

WHEREAS, I am the sole inventor of certain new and useful improvements in METHODS AND SYSTEMS FOR PROVIDING A SECOND DATA SIGNAL ON A FRAME OF BITS INCLUDING A FIRST DATA SIGNAL AND AN ERROR-CORRECTING CODE for which an application for United States Letters Patent has been executed by me 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

PATENT REEL: 010330 FRAME: 0365 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 ()_c 大 , 1999. David Rand Irvin (SEAL) STATE OF NORTH CAROLINA COUNTY OF _ Walk

Before me personally appeared David Rand Irvin, to me known to be the person described in and who executed the foregoing instrument, and he acknowledged to me that he 1999.

Moter De Serono Notary Public

SEAL

My Commission Expires On March 4, 2003

My Commission Expires:

RECORDED: 10/12/1999

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