01-13-1999 ENT RI	CORDATION FORM COVER SHEET Patents Only
100944112	Attorney Dkt: 8194-224
Please record the attached original actinities ar co	ylite 55.
1. Name of conveying party(ies): CPR/FLAA	2. Name and address of receiving party(ies):
Alı S. Khayrallah Tracy Fulghum	Ericsson Inc. 7001 Development Drive P.O. Box 13969 Research Triangle Park NC 27709
Additional name(s) of conveying party(ies) attached? Yes_ 3. Nature of conveyance: X Assignment Merger Security Agreement Change of Name	<u>X No</u>
Other	Additional name(s) & address(ext attaches? Yes_X No
Execution Date: January 5, 1998 4. Application Serial No. <u>09/201,623</u> If this document is being filed together with a neris: Additional numbers attached? Yes X No	Patent No
5. Name and address of party to whom corresponde	nce 6. Total number of applications and patents involved: 1
 Scott C. Hatfield Myers Bigel Sibley & Sajovec, P.A. P. O. Box 37428 Raleigh NC 27627 	Total fee (37 CFR 3.41 <u>\$40.00</u> <u>XX</u> Enclosed Authorized to be charged to deposit account 8. Deposit account number 50-0220
DO NOT USE THIS SPACE	
 Statement and signature To the best of my knowledge and belief, the foreg of the original document. <u>Robert W. Glatz, Reg.# 36,811</u> Name of Person Signing Total number of pages including cover sheet, attach 	bing information is true and correct and any attached copy is a true copy 1/(1-2) Signature nents and document: <u>3</u>

PATENT REEL: 9686 FRAME: 0713

ASSIGNMENT

THIS ASSIGNMENT, made by us, Ali S. Khayrallah, a citizen of Lebanon, residing at 113 Streamview Drive, City of Apex, State of North Carolina 27502 and Tracy Fulghum, a citizen of the United States of America, residing at 5913 Rustic Wood Lune, City of Durham, State of North Carolina 27713;

WITNESSETH: That,

WHEREAS, we am the joint inventors of certain new and useful improvements in **APAPTIVE CHANNEL CHARACTERIZATION USING DECODED SYMBOLS** for which an application for United States Letters Patent was filed on November 30. 1998 as Serial No. 09/201,623; 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.

PATENT REEL: 9686 FRAME: 0714

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 _5 thay of January, 1999.

Ali S. Khayrallah (SEAL)

Tracy Fulgfum (SEAL)

STATE OF NORTH CAROLINA) ss:

COUNTY OF Wake

Before me personally appeared Ali Khayrallah and Tracy Fulghum, 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 5° day of January, 1999.

Zarbar a. L'riedewald

SEAL

My Commission Expires: March 1, 2003

8194-224

RECORDED: 01/12/1999