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U.S. DEPARTMENT OF COMMERCE  
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To the Honorable Commissioner of Patents and Trademarks, please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
Anders Khullar, Niklas Stenström, Bengt Lindoff,  
and William CampAdditional name(s) of conveying party(ies)  
attached? ☐ Yes ☒ No3. Nature of conveyance: 2-28-01☒ Assignment ☐ Merger☐ Security Agreement ☐ Change of Name☐ Other \_\_\_\_\_Execution Date: September 18, 2000, September 18, 2000,  
September 25, 2000 and October 20, 2000, respectively.

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

TELEFONAKTIEBOLAGET L M ERICSSON (publ)

Internal Address: S-126 25  
Stockholm, SwedenStreet Address: S-126 25  
Stockholm, SwedenAdditional 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)

B. Patent No.(s)

U.S. Application Serial No. 09/746,450 filed December 21, 2000.  
European Patent No. 99610083,9 filed December 27, 1999.Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence  
concerning document should be mailed:Richard J. Moura  
Jenkins & Gilchrist, P.C.  
1445 Ross Avenue, Suite 3200  
Dallas, Texas 75202-2799

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.... \$ 40.00☒ Enclosed☒ Overpayment or underpayment of this fee is authorized  
to be charged to deposit account8. Deposit account number:  
10-0447

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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.*

RICHARD J. MOURA, Reg. No. 34,883

Name of Person Signing

Signature

Feb 23, 2001  
DateTotal number of pages including cover sheet, attachments, and document: Three (3)Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents and Trademarks, Box Assignments  
Washington, D.C. 20231

## CERTIFICATE OF MAILING

I hereby certify that this paper or fee is being deposited with the U.S. Postal  
Service via first class mail on the date indicated below and is addressed to the  
Assistant Commissioner for Patents, Washington, D.C. 20231  
Date: February 23, 2001

Type or Print Name Carol Mitchell

Carol Mitchell

Signature

## **ASSIGNMENT (Joint)**

THIS ASSIGNMENT, by KHULLAR, Anders, STENSTRÖM, Niklas, LINDOFF, Bengt and CAMP, William

residing at Trastvägen 20, SE-237 37 Bjärred, Sweden, Fågelsångsgatan 27, SE-252 20 Helsingborg, Sweden, Klarinettgränden 36, SE-224 68 Lund, Sweden and 400 North Boundary Street, Chapel Hill, NC 27514, USA

(hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in

A mobile station, a method of transmitting electronic information, and a communications system

( ) for which is a provisional application to be filed herewith; ( X ) which is a non-provisional application having an oath or declaration executed on even date herewith prior to filing of application; ( ) bearing No. \_\_\_\_\_, and filed on \_\_\_\_\_, and

WHEREAS, Telefonaktiebolaget LM Ericsson (publ), a corporation duly organized under and pursuant to the laws of Sweden and having its principal place of business at S-126 25 STOCKHOLM SWEDEN, (hereinafter referred to as "the Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said 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 Assignors have sold, assigned, transferred, and set over, and by these presents do 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, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said application, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same 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 ganted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery these presents, the Assignors is the sole and lawful owner of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convay the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, continuation-in-part of any applications for Letters Patent, or any reissue or extension of any Letters Patent to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

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

Date Sep 18<sup>th</sup> - 2000 Signature of Assignor Anders Khullar  
Anders Khullar

Date Sept. 18<sup>th</sup> - 2000 Signature of witness Annika Pålsson

Date Sept 18<sup>th</sup> 2000 Signature of witness [Signature]

Date Sep 18<sup>th</sup> 2000 Signature of Assignor Niklas Stenström  
Niklas Stenström

Date Sept 18<sup>th</sup> 2000 Signature of witness Annika Pålsson

Date Sept 18<sup>th</sup> 2000 Signature of witness [Signature]

Date Sept 25<sup>th</sup> 2000 Signature of Assignor Bengt Lindoff  
Bengt Lindoff

Date 2000-09-25 Signature of witness [Signature]

Date 2000-09-25 Signature of witness [Signature]

Date Oct 20, 2000 Signature of Assignor William O. Camp  
William Camp

Date October 20, 2000 Signature of witness [Signature]

Date October 20, 2000 Signature of witness [Signature]