

11-24-2000

Attorney Docket No. 34650-00404USPT

FORM PTO-1595 (Rev. 6-93) OMB No. 0651-0011 (exp. 4/ Tab settings - - - v



COVER SHEET U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

ONLY 7-31-00

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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): Fredrik Ehrenstråle and Patrik Grundström Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): TELEFONAKTIEBOLAGET L MERICSSON (publ) Internal Address: S-126 25 Stockholm, Sweden Street Address: S-126 25 Stockholm, Sweden Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <u>7-31-2000</u> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: <u>May 24, 2000 and May 24, 2000, respectively.</u>	

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) U.S. Application Serial No. 09/574,661 filed May 18, 2000. U.S. Application Serial No. 60/137,537 filed on June 4, 1999.	B. Patent No.(s) _____
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Additional numbers attached? Yes No

5. 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):.... \$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Overpayment or underpayment of this fee is authorized to be charged to deposit account 8. Deposit account number: <u>10-0447</u>
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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 _____ Date July 26, 2000

Total number of pages including cover sheet, attachments, and document: Six (6)

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks, Box Assignments Washington, D.C. 20231

08/31/2000 NTHA11 00000209 09574661 01 FC:581 40.00

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: July 26, 2000

Type or Print Name Carol Mitchell

 Signature

ASSIGNMENT

WHEREAS, we, Fredrik Ehrenstråle and Patrik Grundström and have invented certain new and useful improvements in the following:

SYMMETRY BASED SUBBAND ACOUSTIC ECHO CANCELLATION

for which we have made non-provisional application for United States Letters Patent, the said non-provisional application having been executed by us on May 24, 2000 and

May 24, 2000, respectively

respectively, the said non-provisional application claiming the benefit of priority from provisional application 60/137,537, filed June 4, 1999, the said non-provisional application having at least one of us as a common inventor thereof;

WHEREAS, TELEFONAKTIEBOLAGET L M ERICSSON (publ), a corporation organized and existing under the laws of Sweden, having its principal place of business at S-126 25 Stockholm, Sweden (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring my entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives our entire right, title and interest in and

to said invention and in and to said applications and all patents which may be granted therefore, and all divisions, reissues, substitutions, continuations, continuation-in-part, continued prosecution applications and extensions thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to the said ASSIGNEE of our entire right, title and interest.

We also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said applications throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and

We further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

We hereby further agree that we will communicate to said ASSIGNEE, or its successors, assigns and legal representatives, any facts known to us respecting any improvements; and, at the expense

of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

We further authorize and direct our attorneys to insert below* the serial number and filing date of said application now identified as Case Docket No. 34650-00404USPT as soon as the same shall have been made known to them by the United States Patent Office.

*Serial Number: 09/574,661

Filing Date: May 18, 2000

IN WITNESS WHEREOF, I have hereunto set my hand and seal this

24th day of May, 2000.


Fredrik Ehrenstråle
 Fredrik Ehrenstråle
~~Vårgatan 10B~~ Gårsvenskogatan 14
~~212 18 Malmö~~ 211 29 Malmö
 Sweden

On the 24th day of May, 2000, before us personally appeared Fredrik Ehrenstråle, to us known and known to us to be the individual named in and who executed the foregoing instrument, and acknowledged that he/she executed the same.

Magnus Magnusson Mellerostgatan 15
 Name Address

Petter Karak Augustenborgsg. 16C
 Name Address

IN WITNESS WHEREOF, I have hereunto set my hand and seal this
27th day of May, 2000.


Patrik Grundström
Sandbackegatan 10B
212 21 Malmö
Sweden

On the 27th day of May, 2000, before us personally
appeared Patrik Grundström, to us known and known to us to be the
individual named in and who executed the foregoing instrument, and
acknowledged that he/she executed the same.

Magnus Carlsson Meflerstagsgrensbacksgatan 15
Name Address

Peter Adh Augustenborgsg. 16C
Name Address