

FORM PTO-1595  
(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)  
Tab settings - - - - -

01-30-2002



101964542

Attorney Docket No. 34645-00310USC1

EET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

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

1. Name of conveying party(ies):  
Roar Hagen, Björn Stig Erik Johansson, Erik Ekudden and  
Willem Baastian Kleijn

Additional name(s) of conveying party(ies)  
attached? ☐ Yes ☒ No

3. Nature of conveyance: \_\_\_\_\_

☒ Assignment ☐ Merger

☐ Security Agreement ☐ Change of Name

☐ Other \_\_\_\_\_

Execution Date: June 30, 1998, June 30, 1998, June 30, 1998 and  
June 30, 1998, respectively

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

TELEFONAKTIEBOLAGET L M ERICSSON (publ)

Internal Address: S-126 25  
Stockholm, Sweden

Street Address: S-126 25  
Stockholm, Sweden

Additional 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)

Application Serial No. 09/470,472 filed December 22, 1999.

B. Patent No.(s)

JAN 18 2002

Additional numbers attached? ☐ Yes ☒ No

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

Spencer C. Patterson  
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  
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8. Deposit account number:  
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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  
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SPENCER C. PATTERSON, Reg. No. 43,849

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11/29/01

Total number of pages including cover sheet, attachments, and document: Seven (7)

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CERTIFICATE OF MAILING

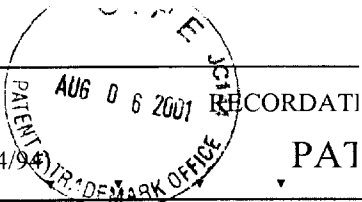
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Date: November 28, 2001

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(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)  
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08-13-2001

.34645-00310USC1

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office



101810331

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

1. Name of conveying party(ies):  
Roar Hagen, Björn Stig Erik Johansson, Erik Ekudden and  
Willem Baastian Kleijn

Additional name(s) of conveying party(ies)  
attached? ☐ Yes ☒ No

3. Nature of conveyance: 8-6-01

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: June 30, 1998, June 30, 1998, June 30, 1998 and  
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Stockholm, Sweden

Street Address: S-126 25  
Stockholm, Sweden

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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)

Application Serial No. 09/470,472 filed December 22, 1999.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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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  
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8. Deposit account number:

10-0447

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SPENCER C. PATTERSON, Reg. No. 43,849  
Name of Person Signing

Signature

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Date

Total number of pages including cover sheet, attachments, and document: Seven (7)

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Service via first class mail on the date indicated below and is addressed to the  
Assistant Commissioner for Patents, Washington, D.C. 20231  
Date: August 3, 2001

Type or Print Name: Carol Mitchell

Signature

ASSIGNMENT

WHEREAS, we, Roar Hagen, Björn Stig Erik Johansson, Erik Ekudden and Willem Baastian Kleijn have invented certain new and useful improvements in the following:

## REDUCING SPARSENESS IN CODED SPEECH SIGNALS

for which we have made application for United States Letters Patent, the said application having been executed by us on Hagen, Johansson, Ekudden - June 29, 1998; Kleijn - June 30, 1998;

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 and extensions thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or

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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. 34645-310 as soon as the same shall have been made known to them by the United States Patent Office.

\*Serial Number:

Filing Date:

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 30th day of June, 1998.

Roar Hagen  
Roar Hagen  
Kungsklippan 12 3tr  
112 25 Stockholm  
Sweden

On the 30 day of June, 1998, before us personally appeared Roar Hagen, to us known and known to us to be the individual named in and who executed the foregoing instrument, and acknowledged that he executed the same.

Fredrik Jansson Ripvegen 7 Sundbyberg  
Name Address

Tina Abrahamsson Tomtebg. 51 Stlm  
Name Address

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

Björn Stig Erik Johansson  
Björn Stig Erik Johansson  
Åkantsgränd 7  
163 41 Spånga  
Sweden

On the 30 day of June, 1998, before us personally  
appeared Björn Stig Erik Johansson, to us known and known to us to  
be the individual named in and who executed the foregoing  
instrument, and acknowledged that he executed the same.

Fredrik Jansson Ripvägen 7 Sundbyberg  
Name Address

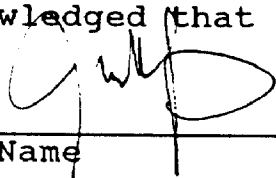
Tina Abrahamsson Tina Abrahamsson, Tomtebg. 51 Sthlm  
Name Address

30th IN WITNESS WHEREOF, I have hereunto set my hand and seal this  
day of June, 1998.



Erik Ekudden  
Fjärilsvägen 23  
184 38 Åkersberga  
Sweden

On the 30 day of June, 1998, before us personally  
appeared Erik Ekudden, to us known and known to us to be the  
individual named in and who executed the foregoing instrument, and  
acknowledged that he executed the same.



Fredrik Jansson Ripsvägen 7 Sundbyberg

Name

Address

Tina Abrahamsson Tina Abrahamsson Tomtebg. 51 Sthlm

Name

Address

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 30<sup>th</sup>  
day of June, 1998.

W. Baastian  
Willem Baastian Kleijn  
Önnemovägen 59  
146 53 Tullinge  
Sweden

On the 30<sup>th</sup> day of June, 1998, before us personally  
appeared Willem Baastian Kleijn, to us known and known to us to be  
the individual named in and who executed the foregoing instrument,  
and acknowledged that he executed the same.

Bou Hagen ROAR HAGBN KUNGS KLIPPAN 12, Stockholm  
Name Address

Thomas Eriksson Thomas Eriksson KUNGS KLIPPAN 12, Stockholm  
Name Address