

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Johan Torsner</td> <td>05/26/2004</td> </tr> <tr> <td>Janne Peisa</td> <td>05/31/2004</td> </tr> <tr> <td>Maria Edvardsson</td> <td>05/24/2004</td> </tr> <tr> <td>Christer Edholm</td> <td>05/24/2004</td> </tr> <tr> <td>Erik Dahlman</td> <td>05/24/2004</td> </tr> <tr> <td>Stefan Parkvall</td> <td>05/24/2004</td> </tr> </tbody> </table>		Name	Execution Date	Johan Torsner	05/26/2004	Janne Peisa	05/31/2004	Maria Edvardsson	05/24/2004	Christer Edholm	05/24/2004	Erik Dahlman	05/24/2004	Stefan Parkvall	05/24/2004
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Erik Dahlman	05/24/2004														
Stefan Parkvall	05/24/2004														
RECEIVING PARTY DATA															
Name:	Telefonaktiebolaget LM Ericsson (publ)														
Street Address:	SE-164 83														
City:	Stockholm														
State/Country:	SWEDEN														
Postal Code:	SE-164														
PROPERTY NUMBERS Total: 1															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11568595</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11568595										
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Application Number:	11568595														
CORRESPONDENCE DATA															
Fax Number:	(972)583-7864														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	972-583-5799														
Email:	pamela.shultz@ericsson.com														
Correspondent Name:	Roger S. Burleigh														
Address Line 1:	6300 Legacy Drive														
Address Line 2:	MS EVR 1C11														
Address Line 4:	Plano, TEXAS 75024														
ATTORNEY DOCKET NUMBER:	P19544-US1														

CH \$40.00 11568595

NAME OF SUBMITTER:

Roger S. Burleigh

Total Attachments: 7

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**ASSIGNMENT
(Joint)**

THIS ASSIGNMENT, by
TORSNER, Johan
PEISA, Janne
EDVARDSSON, Maria
EDHOLM, Christer
DAHLMAN, Erik
PARKVALL, Stefan

(hereinafter referred to as "the Assignors") residing at

Skogstorpsvägen 2C9, FI-02430 Masaby, Finland
Metsäpirtintie 12D17, FI-02130 Espoo, Finland
Sjöbrisgränd 14, 177 70 Järfälla, SWEDEN
Atlasgatan 3, 113 20 Stockholm, SWEDEN
Tackjärnsvägen 12, SE-168 68 BROMMA, Sweden
Stefan Parkvall, Sigtunagatan 18, 113 22 STOCKHOLM, SWEDEN

respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in
"METHOD AND SYSTEM FOR PROVIDING AUTONOMOUS RETRANSMISSIONS IN A
WIRELESS COMMUNICATION SYSTEM"

said invention being based on PCT application no. PCT/SE2004/000719 filed on Maj 5, 2004

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.

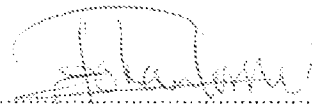
NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient
consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned,
transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the
Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in
and to the above-mentioned inventions, application for Letters Patent, 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 divisions, continuations, and continuations-in-part
of said application, 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 use and behoof and the use and the behoof of its successors,
legal representatives, and assigns, to the full end of the term or terms for which Letters Patent and
Patents may be granted as fully and entirely as the same would have been held and enjoyed by
the Assignors had this sale and assignment not been made;

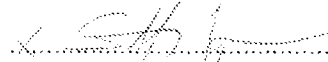
AND for the same consideration, the Assignors hereby covenant and agree to and with
the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and
delivery these presents, the Assignors are the sole and lawful owners of the entire right, title, and
interest in and to the inventions and application for Letters Patent above-mentioned, and that the
same are uncumbered, and that the Assignors have good and full right and lawful authority to sell
and convey the same in the manner herein set forth;

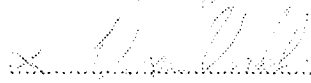
AND for the same consideration, the Assignors hereby covenant and agree to and with the
Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever
counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns,

shall advise that any proceeding in connection with said inventions or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation, continuation-in-part of any application 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 that said Letters Patent or Patent be issued to Assignee as the Assignee of said inventions, the Letters Patent or Patent to be issued for the sole use and behoof of the Assignee, its successors, legal representatives, and assigns.

Date X 2007-05-26 Signature of Assignor 1 X 
TORSNER, Johan

Date X 2007-05-26 Witnessed by X 

Date X 2007-05-26 Witnessed by X 

Date.....Signature of Assignor 2.....
PEISA, Janne

Date.....Witnessed by.....

Date.....Witnessed by.....

Date.....Signature of Assignor 3.....
EDVARDSSON, Maria

Date.....Witnessed by.....

Date.....Witnessed by.....

Date.....Signature of Assignor 4.....
EDHOLM, Christer

Date.....Witnessed by.....

Date.....Witnessed by.....

Date.....Signature of Assignor 5.....
DAHLMAN, Erik

Date.....Witnessed by.....

Date.....Witnessed by.....

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TORSNER, Johan

Date.....Witnessed by.....

Date.....Witnessed by.....

Date *x 31.5.2009*.....Signature of Assignor 2. *x [Signature]*.....
PEISA, Janne

Date *x 31.5.2009*.....Witnessed by *x [Signature]*.....

Date *x 31.5.2009*.....Witnessed by *x [Signature]*.....

Date.....Signature of Assignor 3.....
EDVARDSSON, Maria

Date.....Witnessed by.....

Date.....Witnessed by.....

Date.....Signature of Assignor 4.....
EDHOLM, Christer

Date.....Witnessed by.....

Date.....Witnessed by.....

Date.....Signature of Assignor 5.....
DAHLMAN, Erik

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Date: 2004-05-24..... Signature of Assignor 3.....
EDVARDSSON, Maria

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Date: 2004-05-24..... Witnessed by

Date..... Signature of Assignor 4.....
EDHOLM, Christer

Date..... Witnessed by

Date..... Witnessed by

Date..... Signature of Assignor 5.....
DAHLMAN, Erik

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Date.....Witnessed by.....

Date.....Signature of Assignor 3.....
EDVARDSSON, Maria

Date.....Witnessed by.....

Date.....Witnessed by.....

Date: 2004-May-24.....Signature of Assignor 4.....
EDHOLM, Christer

Date: 2004-May-24.....Witnessed by.....

Date: 2004-May-24.....Witnessed by.....

Date.....Signature of Assignor 5.....
DAHLMAN, Erik

Date.....Witnessed by.....

Date.....Witnessed by.....

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EDVARDSSON, Maria

Date.....Witnessed by.....

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Date.....Signature of Assignor 4.....
EDHOLM, Christer

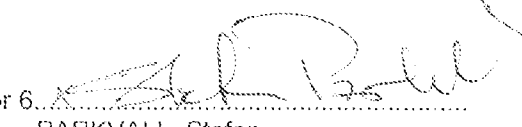
Date.....Witnessed by.....


Date.....Witnessed by.....


Date *x 2004-09-24*.....Signature of Assignor 5 *x [Signature]*.....
DAHLMAN, Erik

Date *x 2004-08-24*.....Witnessed by *x [Signature]*.....

Date *x 2004-08-24*.....Witnessed by *x [Signature]*.....

Date 1 2004-05-24 Signature of Assignor 6 X 
PARKVALL, Stefan

Date X 2004-05-27 Witnessed by 

Date X 2004-05-24 Witnessed by X 
PAL FRENGER