

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Per Ola Borjesson</td><td>01/11/2006</td></tr><tr><td>Fredrik Lindqvist</td><td>01/11/2006</td></tr></tbody></table>	Name	Execution Date	Per Ola Borjesson	01/11/2006	Fredrik Lindqvist	01/11/2006	
Name	Execution Date						
Per Ola Borjesson	01/11/2006						
Fredrik Lindqvist	01/11/2006						
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"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11720618</td></tr></tbody></table>	Property Type	Number	Application Number:	11720618			
Property Type	Number						
Application Number:	11720618						
CORRESPONDENCE DATA							
Fax Number:	(972)583-7864						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	972-583-1572						
Email:	pam.ewing@ericsson.com						
Correspondent Name:	Steven W. Smith						
Address Line 1:	6300 Legacy Drive						
Address Line 2:	MS EVR 1C11						
Address Line 4:	Plano, TEXAS 75024						
ATTORNEY DOCKET NUMBER:	P19893-US1						
NAME OF SUBMITTER:	Steven W. Smith						
Total Attachments: 4							
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PATENT

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Assignment Letter

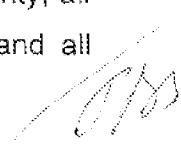
WHEREAS we, **PER OLA BORJESSON** and **FREDRIK LINDQVIST** have invented certain new and useful improvements in the following:

METHOD AND SYSTEM TO DETERMINE ONE OR MORE PROPERTIES OF A DIGITAL SUSCRIBER LINE USING A TIME VARIABLE FINITE IMPULSE RESPONSE FILTER

WHEREAS **Telefonaktiebolaget LM Ericsson (publ)**, a corporation organized under the laws of Sweden, having its principal place of business at SE-164 83 Stockholm, Sweden (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring our 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 therefor, and all divisions, reissues, substitutions, continuations, continuation-in-part and extensions thereof; and we hereby authorize and request the Commission 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



Assignment Letter

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-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 Attorney Docket No. P19893US1 as soon as the same shall have been made known to them by the United States Patent Office.

11/720,618
*Serial Number: _____
Filing Date: June 1, 2007

Assignment Letter


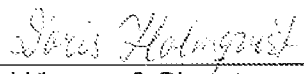
Jan, 11, 2006
Date


PER OLA BORJESSON
First Inventor

Inventor Residence:
Sodra Esplanaden 29 ,
SE—223 52 Lund, Sweden

Citizenship: Swedish

On the 11 day of Jan, 2006, before us personally appeared Per Ola Borjesson, 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.

<u></u>	<u>Wiktors Andjart</u>	<u>Fennibow 48, 22333 S Sandby, Sweden</u>
Witness 1 Signature	Print Name	Address
<u></u>	<u>Dennis Holmgvist</u>	<u>Valdemarsväg 15, 22474 Lund</u>
Witness 2 Signature	Print Name	Address

Assignment Letter

2006-01-11

Date

F. Lindqvist

FREDRIK LINDQVIST

Second Inventor

Inventor Residence:
Blackensvagen 22A
SE-125 34 Alvsjo, Sweden
Citizenship: Swedish

On the 11 day of January, 2006, before us personally appeared Fredrik Lindqvist, 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.

<u>B</u>	<u>Klas Ericson</u>	<u>Drottninggatan 16</u>	<u>12520 Alvsjo</u>	<u>SWEDEN</u>
Witness 1 Signature	Print Name	Address		
<u>B. Dvorsky</u>	<u>Boris Dvorsky</u>	<u>Inteckningsvägen 14</u>	<u>12531 Hagersten</u>	<u>Sweden</u>
Witness 2 Signature	Print Name	Address		