

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Niclas Wiberg</td> <td>04/14/2008</td> </tr> <tr> <td>Pal Frenger</td> <td>04/14/2008</td> </tr> <tr> <td>Anders Fu</td> <td>04/15/2008</td> </tr> <tr> <td>Stefan Parkvall</td> <td>04/15/2008</td> </tr> </tbody> </table>		Name	Execution Date	Niclas Wiberg	04/14/2008	Pal Frenger	04/14/2008	Anders Fu	04/15/2008	Stefan Parkvall	04/15/2008
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Niclas Wiberg	04/14/2008										
Pal Frenger	04/14/2008										
Anders Fu	04/15/2008										
Stefan Parkvall	04/15/2008										
RECEIVING PARTY DATA											
Name:	TELEFONAKTIEBOLAGET L M 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>12066347</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12066347						
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Application Number:	12066347										
CORRESPONDENCE DATA											
Fax Number:	(972)583-7864										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	972-583-4145										
Email:	nancy.lamberti@ericsson.com										
Correspondent Name:	Michael Cameron										
Address Line 1:	6300 Legacy Drive										
Address Line 2:	MS EVR 1C11										
Address Line 4:	Plano, TEXAS 75024										
ATTORNEY DOCKET NUMBER:	P20830-US1										
NAME OF SUBMITTER:	Michael Cameron										
Total Attachments: 5											

CH \$40.00 12066347

500544773

**PATENT
 REEL: 020973 FRAME: 0570**

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Assignment Letter

In consideration of One Dollar and Other good and valuable consideration, of which we acknowledge receipt, we,

1. Niclas Wiberg, a citizen of Sweden residing at Linköping, Sweden
2. Pål Frenger, a citizen of Sweden residing at Linköping, Sweden
3. Anders Furuskär, a citizen of Sweden residing at Stockholm, Sweden,

and

4. Stefan Parkvall, a citizen of Sweden residing at Stockholm, Sweden

sell and assign to **Telefonaktiebolaget L M Ericsson (publ)**, a corporation organized under the laws of Sweden (the Company), having registered offices at SE-164 83 Stockholm, Sweden, its successors and assigns the entire right, title, and interest in and to the improvements in **Efficient Encoding of Control Signaling for Communication Systems With Scheduling and Link**, invented by us, as described in the application for United States patent which is a national stage application of PCT international application number PCT/SE2005/001305 with an international filing date of 09-09-2005, and any and all applications for patent and patents therefor in any and all countries, including all divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said United States application, and authorize and request any official whose duty it is to issue patents, to issue any patents on said improvements or resulting therefrom to said Company, or its successors or assigns and agree that on request and without further consideration, but at the expense of said Company, we will communicate to said Company or its representatives or nominees any facts known to us respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said Company, its successors, and nominees to obtain and enforce proper patent protection for said improvements in all countries.

Assignment Letter

April 14, 2008
Date

Niclas Wiberg
NICLAS WIBERG
First Inventor

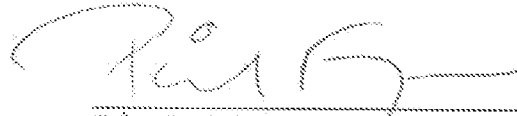
On the Mon day of April 14, 2008, before us personally appeared Niclas Wiberg, to us known and known to us to be the individual named in and who executed the foregoing instrument, and acknowledged that he/she executed the same.

Jon Olsson Jonas Fröberg Olsson Nilsbovä 9 59074 Ljungby
Witness 1 Signature Print Name Address SWEDEN

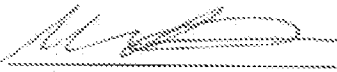
Ola Persin Ola Persin Palmvassgatan 12 58732 Luleå
Witness 2 Signature Print Name Address SWEDEN

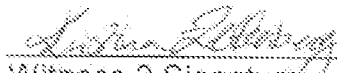
Assignment Letter

April 14 - 2008
Date


PÅL FRENGER
Second Inventor

On the 14 day of APRIL, 2008, before us personally appeared Pål Frenger, 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.


Witness 1 Signature Mehdi Amirloo Print Name Rehnskaatan S1 59219 Lilla, Sweden Address


Witness 2 Signature Kristina Zetterberg Print Name Ulvägen 10, 58247, Link, Sweden Address

Assignment Letter

April 15 2008
Date

[Signature]
ANDERS FURUSKÄR
Third Inventor

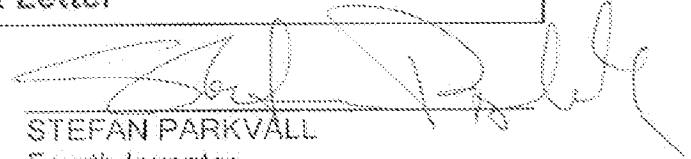
On the 15th day of April, 2008, before us personally appeared Anders Furuskär, to us known and known to us to be the individual named in and who executed the foregoing instrument, and acknowledged that he/she executed the same.

[Signature] ARAN ANTI PROFESSORSGATAN 39, STOCKHOLM
Witness 1 Signature Print Name Address

[Signature] PER SKILLERMARK VITALISY 13, 112 55 STOCKHOLM
Witness 2 Signature Print Name Address

Assignment Letter

April 15, 2008
Date


STEFAN PARKVALL
Fourth Inventor

On the 15 day of April, 2008, before us personally appeared Stefan Parkvall, 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.

George Kinn George Jorgren Karlskriog 15, 112 41 Stockholm
Witness 1 Signature Print Name Address

Magnus Olsson Magnus Olsson Sjogatan 42B, 75321 UPPSALA, Sweden
Witness 2 Signature Print Name Address