

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<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>Jiansong Gan</td> <td>09/24/2008</td> </tr> <tr> <td>Qingyu Miao</td> <td>09/24/2008</td> </tr> <tr> <td>Peter Larsson</td> <td>10/14/2008</td> </tr> </tbody> </table>		Name	Execution Date	Jiansong Gan	09/24/2008	Qingyu Miao	09/24/2008	Peter Larsson	10/14/2008		
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<b>RECEIVING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Telefonaktiebolaget LM Ericsson (publ)</td> </tr> <tr> <td>Street Address:</td> <td>--</td> </tr> <tr> <td>City:</td> <td>Stockholm</td> </tr> <tr> <td>State/Country:</td> <td>SWEDEN</td> </tr> <tr> <td>Postal Code:</td> <td>SE 164 83</td> </tr> </table>		Name:	Telefonaktiebolaget LM Ericsson (publ)	Street Address:	--	City:	Stockholm	State/Country:	SWEDEN	Postal Code:	SE 164 83
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<b>PROPERTY NUMBERS Total: 1</b>											
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<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (919)361-0734  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 703-848-2332        Email: ken@ppglaw.com        Correspondent Name: Kenneth B. Leffler        Address Line 1: 307 Lafayette Blvd        Address Line 2: Suite 301        Address Line 4: Fredericksburg, VIRGINIA 22401</p>											
ATTORNEY DOCKET NUMBER:	0110-703										
NAME OF SUBMITTER:	Kenneth B Leffler										

Total Attachments: 5  
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**PATENT**  
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## ASSIGNMENT

THIS ASSIGNMENT, by

**Jiansong Gan**  
**Qingyu Miao**  
**Peter Larsson**

(hereinafter referred to as "the Assignor(s)") residing at  
Room 2-101, Building 7 ,100085 BEIJING ,China  
Room 2-302 building 611, Bei Yuan Jia Yuan, Moli Yuan, Chao ,100012 BEIJING ,China  
Ballongatan 2, 1tr ,169 71 SOLNA ,Sweden

respectively, witnesseth:

WHEREAS, the Assignor(s) have invented certain new and useful improvements in

### **MU-COMP CHANNEL STATE NORMALIZATION MEASURE QUANTIZATION AND TRANSMISSION**

said invention being based on PCT application No. **PCT/SE2008/051071**, filed on **September 24, 2008** (I hereby authorize and request ASSIGNEE's Attorneys to insert the serial number and filing date of said application, when known.)

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-164 83 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 Assignor(s) 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 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, 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 Assignor(s) had this sale and assignment not been made;

AND for the same consideration, the Assignor(s) 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 Assignor(s) 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 Assignor(s) have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

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AND for the same consideration, the Assignor(s) hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignor(s) 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 Assignor(s) 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.

ASSIGNMENT

Date 2008-9-24 Signature of Assignor Gan Jiansong  
Jiansong Gan

Date 2008-9-24 Witnessed by Song Xinghua  
Name: Song Xinghua  
Address: Ericsson Tower, No.5 Lize East Street,  
Chaoyang District, Beijing 100102,  
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Date 2008-9-24 Witnessed by Hu Yang  
Name: Hu Yang  
Address: Ericsson Tower, No.5 Lize East Street,  
Chaoyang District, Beijing 100102,  
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ASSIGNMENT

Date 2008-09-24 Signature of Assignor Miao Qingyu  
Qingyu Miao

Date 2008-09-24 Witnessed by Guo Zhikang  
Name: Guo Zhikang  
Address: Ericsson Tower, No.5 Lize East Street,  
Chaoyang District, Beijing 100102,  
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Date 2008-09-24 Witnessed by Qian Yu  
Name: Qian Yu  
Address: Ericsson Tower, No.5 Lize East Street,  
Chaoyang District, Beijing 100102,  
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ASSIGNMENT

Date 14/10-2008 Signature of Assignor Peter Larsson  
Peter Larsson

Date 19/10-2008 Witnessed by G. L. Fodor  
Name: GABOR FODOR  
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165 52 HÄSSELBY  
SWEDEN

Date 20/10-2008 Witnessed by Anders Ennshar  
Name: Anders Ennshar  
Address: Uppslagsg. 94  
113 44 Stockholm  
Sweden