

# 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 style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Shaofang Gong</td> <td>10/20/2009</td> </tr> <tr> <td>Owais Owais</td> <td>10/20/2009</td> </tr> <tr> <td>Zhinong Ying</td> <td>10/25/2009</td> </tr> </tbody> </table>		Name	Execution Date	Shaofang Gong	10/20/2009	Owais Owais	10/20/2009	Zhinong Ying	10/25/2009				
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Sony Ericsson Mobile Communications AB</td> </tr> <tr> <td>Street Address:</td> <td>Nya Vattentornet</td> </tr> <tr> <td>Internal Address:</td> <td>S-221 88</td> </tr> <tr> <td>City:</td> <td>Lund</td> </tr> <tr> <td>State/Country:</td> <td>SWEDEN</td> </tr> <tr> <td>Postal Code:</td> <td>S-221 88</td> </tr> </table>		Name:	Sony Ericsson Mobile Communications AB	Street Address:	Nya Vattentornet	Internal Address:	S-221 88	City:	Lund	State/Country:	SWEDEN	Postal Code:	S-221 88
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<b>CORRESPONDENCE DATA</b>													
<p>Fax Number: (919)854-1401</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 9198541400</p> <p>Email: mmcmahan@myersbigel.com</p> <p>Correspondent Name: Michele P. McMahan</p> <p>Address Line 1: 4140 Parklake Ave.</p> <p>Address Line 4: Raleigh, NORTH CAROLINA 27612</p>													
ATTORNEY DOCKET NUMBER:	9342-471												
NAME OF SUBMITTER:	Michele P. McMahan												
<p>Total Attachments: 4</p> <p>source=9342_471_Assignment#page1.tif</p>													

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**PATENT**  
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source=9342\_471\_Assignment#page4.tif

### ASSIGNMENT

THIS ASSIGNMENT, made by us, **Shaofang Gong**, citizen of Sweden, residing at Aselstadsv, 140, 603 66 Norrkoping, Sweden; **Owais Owais**, citizen of Pakistan, residing at 9A Bjornkarrsgatan 13, Ryd, Linkoping, Sweden; and **Zhinong Ying**, citizen of Sweden, residing at Fanan's Grand 10, 22649 Lund, Sweden;

WITNESSETH: That,

WHEREAS, We are the joint inventors of certain new and useful improvements in **ULTRA WIDE BAND SECONDARY ANTENNAS AND WIRELESS DEVICES USING THE SAME** for which an application has been filed, or is being concurrently filed, in the United States Patent and Trademark Office. I hereby authorize and request Myers Bigel Sibley & Sajovec, P.A., to insert here in parentheses (Application No. 12/566,897, filed 9/25/09 ) the filing date and application number of said application when known or to file this Assignment concurrently with the application; and

WHEREAS, **Sony Ericsson Mobile Communications AB**, a corporation organized under the laws of Sweden, having a principal place of business at Nya Vattentornet, S-221 88 Lund, Sweden, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said provisional application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

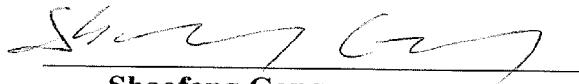
NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and provisional application, and in and to any and all subsequent patent applications which claim the benefit of priority from said provisional application including regular utility, continuations, and continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues or other forms of protection thereof which may be granted for the invention in or on applications claiming the benefit of priority from said provisional application, for the full end of the term for which said Letters Patent may be granted along with any term extensions thereof or therefor, together with the right to claim the benefit of priority from said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed

by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and provisional application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to promptly communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns, and other legal representatives; and we hereby instruct, and further covenant and agree to bind our heirs, legal representatives, and assigns, to do same, without further compensation, but at the expense of said assignee or its representatives.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 20 day of October, 2009

 (SEAL)  
**Shaofang Gong**

Witnessed by:

  
\_\_\_\_\_

Date: 20 Oct 09

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 20 day  
of Oct, 2009

*Owais*

(SEAL)

**Owais Owais**

Witnessed by:

*Shafiq*

Date: 20th Oct. 2009

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 25 day  
of Oct., 2009.

  
\_\_\_\_\_  
**Zhinong Ying** (SEAL)

Witnessed by:

Elisabel Liu

Date: 2009-10-26