

## 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>Rickard Ljung</td> <td>08/02/2012</td> </tr> </tbody> </table>		Name	Execution Date	Rickard Ljung	08/02/2012						
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Sony Mobile Communications AB</td> </tr> <tr> <td>Street Address:</td> <td>Nya Vattentorget</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>SE-221 88</td> </tr> </table>		Name:	Sony Mobile Communications AB	Street Address:	Nya Vattentorget	City:	Lund	State/Country:	SWEDEN	Postal Code:	SE-221 88
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NAME OF SUBMITTER:	Luis A. Carrion										
Total Attachments: 2 source=PS120495US1-Assingment#page1.tif source=PS120495US1-Assingment#page2.tif											

OP \$40.00 13565006

## ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned:

Inventor Name:	Address:
Rickard Ljung	Tingsgatan 13, SE-256 56 Helsingborg, Sweden

hereby sell(s) and assign(s) to Sony Mobile Communications AB (the "Assignee"), a company of Sweden having a place of business at Nya Vattentornet, SE-221 88 Lund, Sweden, its successors and assigns, the entire worldwide right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries, in and to:

i) the invention(s) and/or improvement(s) entitled:

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for which a patent application is filed concurrently herewith, or was filed under application number 13/565,006 on August 2, 2012. (I/We authorize the appointed U.S. patent attorneys and agents the power to insert the application number and filing date of the application now identified by the attorney docket number and title set forth above.);

ii) said patent application;

iii) any and all provisional patent applications on which priority is claimed, including U.S. provisional patent application number \_\_\_\_\_ filed on \_\_\_\_\_ (I/We authorize the appointed U.S. patent attorneys and agents the power to insert the application number and filing date of the provisional patent application(s) referred to herein.);

iv) any and all related patent application(s) in the United States or a country foreign thereto, including continuations, continuations-in-part, divisionals, conversions, renewals, substitutes, reissues, reexaminations, extensions, non-provisional applications, convention, International (e.g., Patent Cooperation Treaty (PCT)) and other applications based in whole or in part upon said invention(s) or upon said application(s);

v) any and all Letters Patent, renewals, reissues, reexamination certificates and extensions of Letters Patent granted for said invention(s) or upon said application(s); and

vi) every priority right that is or may be predicated upon or arise from said invention(s), said application(s) and said Letters Patent.

I/We additionally authorize the Assignee to file patent applications in my/our name, or in its own name, for Letters Patent in any country (by international convention, treaty or otherwise), to be held and enjoyed by the Assignee, its successors and assigns, to the full end of the term or terms for which Letters Patent respectively may be granted, reissued, reexamined or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this Assignment and transfer not been made.

I/We also appoint the Assignee as my/our common representative to represent me/us before all the competent International Authorities in connection with any and all international applications.

I/We hereby authorize the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to the Assignee in accordance herewith.

I/We hereby covenant that I/we have the full right to convey the entire interests herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith and that such assigned rights are not encumbered by any grant, license or other right previously given.

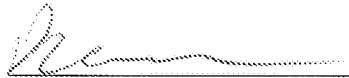
I/We agree that each time a request is made, and without undue delay, I/we will execute and deliver all such papers as may be necessary or desirable to perfect the title in and to the invention(s), said application(s) and said Letters Patent, to the Assignee, its successors or assigns.

I/We agree, without undue delay, to undertake all reasonable acts to assure that said invention(s), patent application(s) and Letters Patent shall be held and enjoyed by the Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly: to execute and deliver to the Assignee all lawful documents including petitions, specifications, oaths, declarations, powers of attorney, assignments, invention disclaimers and lawful affidavits in form and substance which may be requested by the Assignee; to furnish the Assignee with all facts relating to said invention(s) or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be useful for establishing the facts of conception, disclosure and reduction to practice of said invention(s); and to testify in any proceedings relating to said invention(s), patent application(s) and Letters Patent.

I/We hereby sell, assign and transfer unto the Assignee the authority to revoke power(s) of attorney executed by me/us in connection with this application and to appoint a new power of attorney in place thereof.

  
Rickard Ljung

2012-08-02  
Date

  
Signature of Witness 1

Daniel Lundblad  
Name of Witness 1

8-12  
Date

  
Signature of Witness 2

OLOF ZANDER  
Name of Witness 2

2012-08-02  
Date