

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3329423

|   |                                |
|---|--------------------------------|
| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                 |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT OF PARTIAL INTEREST |
| <b>CONVEYING PARTY DATA</b>   |                                |
| <b>Name</b>   | <b>Execution Date</b>          |
| SONY MOBILE COMMUNICATIONS AB   | 02/17/2015                     |
| <b>RECEIVING PARTY DATA</b>   |                                |
| <b>Name:</b>  | Sony Corporation               |
| <b>Street Address:</b>  | 1-7-1 Konan                    |
| <b>Internal Address:</b>  | Minato-ku                      |
| <b>City:</b>  | Tokyo                          |
| <b>State/Country:</b>   | JAPAN                          |
| <b>Postal Code:</b>   | 108-0075                       |
| <b>Name:</b>  | Sony Mobile Communications AB  |
| <b>Street Address:</b>  | Nya Vattentornet               |
| <b>City:</b>  | Lund                           |
| <b>State/Country:</b>   | SWEDEN                         |
| <b>Postal Code:</b>   | SE-221 88                      |
| <b>PROPERTY NUMBERS Total: 1</b>  |                                |
| <b>Property Type</b>  | <b>Number</b>                  |
| Application Number:   | 12050451                       |
| <b>CORRESPONDENCE DATA</b>  |                                |
| <b>Fax Number:</b>  | (216)621-6165                  |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> |                                |
| <b>Phone:</b>   | 2166211113                     |
| <b>Email:</b>   | vmaichl@rennerotto.com         |
| <b>Correspondent Name:</b>  | LUIS A. CARRION                |
| <b>Address Line 1:</b>  | 1621 EUCLID AVENUE             |
| <b>Address Line 2:</b>  | NINETEENTH FLOOR               |
| <b>Address Line 4:</b>  | CLEVELAND, OHIO 44115          |
| <b>ATTORNEY DOCKET NUMBER:</b>  | SEMCP507 1614US1               |
| <b>NAME OF SUBMITTER:</b>   | LUIS A. CARRION                |
| <b>SIGNATURE:</b>   | /Luis A. Carrion/              |

|   |            |
|---|------------|
| <b>DATE SIGNED:</b>   | 04/28/2015 |
| <b>Total Attachments: 2</b><br>source=Assignment Spec PS07 1614US1#page1.tif<br>source=Assignment Spec PS07 1614US1#page2.tif |            |

## ASSIGNMENT

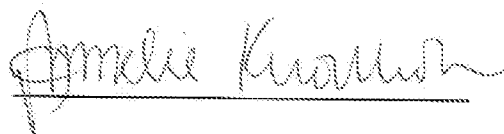
This Assignment is between Sony Mobile Communications AB, having an address at Nya Vattentorget, SE-221 88 Lund, Sweden, and Sony Corporation, having an address at 1-7-1 Konan, Minato-ku, Tokyo 108-0075, Japan.

By virtue of the corporate relationship respectively between Sony Corporation and Sony Mobile Communications AB and to memorialize the letter of December 18, 2012 from Fumihiko Moriya, VP and Senior General Manager of the Intellectual Property Division of Sony Corporation to Thomas Hedberg, Vice President and Head of Global IPR of Sony Mobile Communications AB, Sony Mobile Communications AB hereby assigns, so far as concerns the United States, the right for Sony Corporation to be identified as first assignee and identify Sony Mobile Communications AB as second assignee for U.S. Patent Application No. 12/050,451 filed in the U.S. Patent and Trademark Office on Mar 18<sup>th</sup> 2008.

This Assignment is signed by an authorized representative of Sony Mobile Communications AB. In the event that the person signing this Assignment is not an officer of Sony Mobile Communications AB, a document empowering the undersigned to make the Assignment is attached hereto.

Sony Mobile Communications AB

Signature:



By: Annelie Kronholm

Title: Patent Assistant

Date: February 17th, 2015

SUB POWER OF ATTORNEY

As a representative of Sony Mobile Communications AB (556615-6658)  
I, Thomas Hedberg, hereby authorize

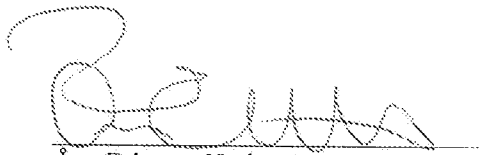
Annelie Kronholm

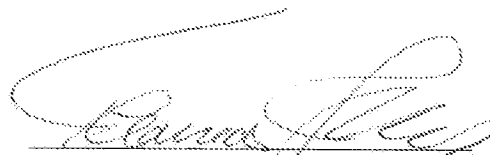
Residing at: Sony Mobile Communications AB  
Nya Vattentornet  
SE-221 88 Lund  
Sweden

To represent me in all issues for which I am authorized to represent Sony Mobile  
Communications AB (see enclosed Power of Attorney) and to appoint a substitute.

This Sub Power of Attorney shall be valid for three (3) years from the date hereof.

Date and Place: Lund April 9, 2014

  
Åsa Ericson Hedström  
VP, Legal & Compliance

  
Thomas Hedberg  
Vice President IPR