

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3254916

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
NOKIA CORPORATION	01/16/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	NOKIA TECHNOLOGIES OY
<b>Street Address:</b>	KARAPORTTI 3
<b>City:</b>	ESPOO
<b>State/Country:</b>	FINLAND
<b>Postal Code:</b>	02610
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	8005145
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	510-303-9002
<b>Email:</b>	jacqueline.linebarger@nokia.com
<b>Correspondent Name:</b>	NOKIA USA, INC
<b>Address Line 1:</b>	200 SOUTH MATHILDA AVE
<b>Address Line 4:</b>	SUNNYVALE, CALIFORNIA 94086
<b>ATTORNEY DOCKET NUMBER:</b>	NC18852-US-CNT
<b>NAME OF SUBMITTER:</b>	JACQUELINE LINEBARGER
<b>SIGNATURE:</b>	/jacqueline linebarger/
<b>DATE SIGNED:</b>	03/06/2015
<b>Total Attachments: 11</b>	
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**PATENT ASSIGNMENT**

THIS Assignment is effective as of 31 December 2014 between

Assignor **NOKIA CORPORATION** of Karaportti 3, FI - 02610 Espoo, Finland, a corporation organized under the laws of Finland (hereinafter "Nokia Corporation") and Assignee **NOKIA TECHNOLOGIES OY** of Karaportti 3, FI - 02610 Espoo, Finland, a corporation organized under the laws of Finland (hereinafter "Nokia Technologies")

**WHEREAS**, Nokia Corporation is the owner of certain patents and patent applications, as more particularly described in Attachment 1 hereto (hereinafter "the Patents"), incorporated herein by reference;

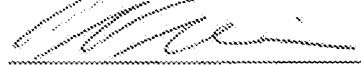
**NOW, THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged and in accordance with that certain Business Purchase Agreement between Nokia Corporation and Nokia Technologies having an effective date of 31 December 2014 (hereinafter "Agreement"):


Nokia Corporation sells, assigns, transfers and conveys to Nokia Technologies, and its successors and assigns, all right, title, and interest in and to each of the Patents and patent applications listed in Attachment 1 hereto and all continuations, divisions, and reissues arising from or related to the Patents.

This sale, assignment, transfer, and conveyance to Nokia Technologies, and its successors and assigns, is made subject to certain retained rights in favor of Nokia Corporation for the Patents and patent applications listed in Attachment 1, as are set forth in the Agreement.

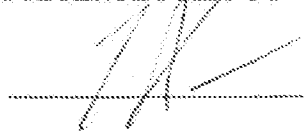
**IN WITNESS WHEREOF**, the parties have caused their respective corporate names to be affixed hereto and this instrument to be signed by their duly authorized officers as of the day and year written below.

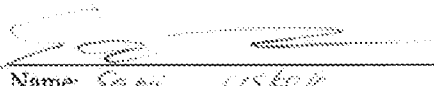
**NOKIA CORPORATION**

By:   
Name: Esa Niinimäki  
Title: Authorized signatory  
Date: 16 January 2015

  
Name: Anne Oksala  
Title: Legal Counsel  
Date: 16 January 2015

**NOKIA TECHNOLOGIES OY**

By:   
Name: Jyri Lassila  
Title: Vice President, Legal & IP  
Date: 16 January 2015

  
Name: Sanni Usko  
Title: Head of Finance and operations  
Date: 16 January 2015

## Attachment 1

<b>Case reference</b>	<b>Country</b>	<b>Filing Date</b>	<b>Filing Number</b>	<b>Grant</b>	<b>Grant Number</b>
02392-US-CPA	United States Of America	06 Jan 1997	08/765067	27 Jul 1999	5930233
03787-US-CIP	United States Of America	28 Aug 1999	09/143494	26 Dec 2000	6167248
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06486-US-NP	United States Of America	20 Feb 1997	08/804236	13 Feb 2001	6188909
07157-US-NP	United States Of America	02 Jun 1997	08/867296	07 Mar 2000	6035189
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62107-US-NP	United States Of America	25 Sep 2008	12/284958	25 Sep 2012	8274960
63033-US-REI	United States Of America	01 May 2012	13/461337	17 Dec 2013	RE44649
63357-US-CNT	United States Of America	09 Jul 2012	13/544545	10 Sep 2013	8531486
63357-US-CNT[2]	United States Of America	20 Jun 2014	14/310923		
63357-US-DIV	United States Of America	25 Jul 2013	13/951189	15 Jul 2014	8780138
63357-US-NP	United States Of America	14 Feb 2008	12/031344	10 Jul 2012	8217964
63629-US-CNT	United States Of America	02 Sep 2014	14/474700		
63629-US-PCT	United States Of America	07 Jan 2009	12/866236	09 Sep 2014	8831542
64524-US-CNT	United States Of America	15 Nov 2013	14/080996		
64524-US-PCT	United States Of America	01 May 2009	12/990764	31 Dec 2013	8619761

66377-US-NP	United States Of America	30 Dec 2008	12/346320	11 Jun 2013	8462644
72406-US-CNT	United States Of America	18 Oct 2012	13/654614	03 Dec 2013	8600619
72406-US-NP	United States Of America	18 Jun 2010	12/818954	20 Nov 2012	8315791
76341-US-CNT	United States Of America	23 Dec 2013	14/139189		
76341-US-NP	United States Of America	26 Aug 2011	13/218704	31 Dec 2013	8621394