

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3321254

<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: 25</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	12880480
Application Number:	12959650
Application Number:	12755101
Application Number:	12611666
Application Number:	12028319
Application Number:	12028263
Application Number:	11526992
Application Number:	10693292
Application Number:	09842474
Application Number:	09843036
Application Number:	13877775
Application Number:	13822787
Application Number:	12871746
Application Number:	13988887
Application Number:	12915551
Application Number:	13162792
Application Number:	12888246
Application Number:	13821583
Application Number:	13883610
Application Number:	12889637

**PATENT**

Property Type	Number
Application Number:	12856129
Application Number:	13817552
Application Number:	13813344
Application Number:	13161428
Application Number:	13162317

**CORRESPONDENCE DATA**

**Fax Number:**  
*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.*

**Email:** thao.pham@nokia.com

**Correspondent Name:** NOKIA USA INC. ATTN: IP DOCKETING

**Address Line 1:** 200 SOUTH MATHILDA AVE

**Address Line 4:** SUNNYVALE, CALIFORNIA 94086

<b>NAME OF SUBMITTER:</b>	THAO PHAM
<b>SIGNATURE:</b>	/Thao Pham/
<b>DATE SIGNED:</b>	04/22/2015

**Total Attachments: 2**  
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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;

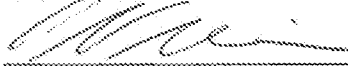
**NOW, THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged and in accordance with that certain Business Purchase Agreement between Nokia Corporation and Nokia Technologies having an effective date of 31 December 2014 (hereinafter "Agreement"):


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.

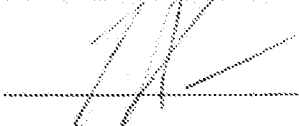
**IN WITNESS WHEREOF**, the parties have caused their respective corporate names to be affixed hereto and this instrument to be signed by their duly authorized officers as of the day and year written below.

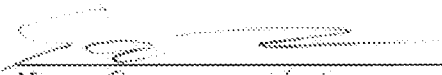
**NOKIA CORPORATION**

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 Lassi  
Title: Vice President, Legal & IP  
Date: 16 January 2015

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

## Attachment 1

73466-US-NP	United States Of America	13 Sep 2010	12/880480		
73465-US-NP	United States Of America	03 Dec 2010	12/959650	12 Nov 2013	8580415
73455-US-NP	United States Of America	06 Apr 2010	12/755101		
73452-US-NP	United States Of America	03 Nov 2009	12/611666		
73449-US-NP	United States Of America	08 Feb 2008	12/028319		
73447-US-NP	United States Of America	08 Feb 2008	12/028263		
73446-US-NP	United States Of America	26 Sep 2006	11/526992	05 Oct 2010	7810049
73445-US-CIP[2]	United States Of America	24 Oct 2003	10/693292	29 Jun 2010	7747782
73445-US-NP	United States Of America	25 Apr 2001	09/842474	04 Jul 2006	7072984
73445-US-NP[2]	United States Of America	25 Apr 2001	09/843036	03 Mar 2009	7500188
73444-US-PCT	United States Of America	18 Oct 2010	13/877775		
73429-US-PCT	United States Of America	21 Sep 2010	13/822787		
73414-US-NP	United States Of America	30 Aug 2010	12/871746		
73412-US-PCT	United States Of America	26 Nov 2010	13/988887		
73406-US-NP	United States Of America	29 Oct 2010	12/915551	17 Sep 2013	8539610
73390-US-NP	United States Of America	17 Jun 2011	13/162792		
73389-US-NP	United States Of America	22 Sep 2010	12/888246		
73386-US-PCT	United States Of America	10 Sep 2010	13/821583		
73381-US-PCT	United States Of America	12 Nov 2010	13/883610		
73371-US-NP	United States Of America	24 Sep 2010	12/889637	28 Jan 2014	8640225
73367-US-NP	United States Of America	13 Aug 2010	12/856129	22 Jul 2014	8785996
73357-US-PCT	United States Of America	19 Aug 2010	13/817552		
73355-US-PCT	United States Of America	02 Aug 2010	13/813344	25 Nov 2014	8897312
73348-US-NP	United States Of America	15 Jun 2011	13/161428	06 May 2014	8718324
73347-US-NP	United States Of America	16 Jun 2011	13/162317	25 Mar 2014	8680809