

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3319350

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
NOKIA CORPORATION	01/16/2015

**RECEIVING PARTY DATA**

<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

**PROPERTY NUMBERS Total: 25**

Property Type	Number
Application Number:	09378371
Application Number:	09348701
Application Number:	09459050
Application Number:	13043161
Application Number:	13173610
Application Number:	12973514
Application Number:	12960116
Application Number:	13979454
Application Number:	12916851
Application Number:	12952249
Application Number:	12434106
Application Number:	13020168
Application Number:	13979056
Application Number:	12976854
Application Number:	13991746
Application Number:	13293257
Application Number:	12902961
Application Number:	12927064
Application Number:	13984051
Application Number:	12973212

PATENT

Property Type	Number
Application Number:	13250286
Application Number:	13994899
Application Number:	13007939
Application Number:	12940677
Application Number:	13993439

**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>	04/21/2015

**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;

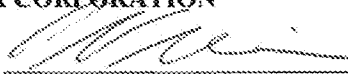
**NOW, THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged and in accordance with that certain Business Purchase Agreement between Nokia Corporation and Nokia Technologies having an effective date of 31 December 2014 (hereinafter "Agreement"):


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.

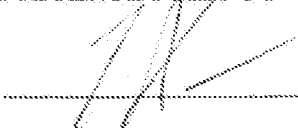
**IN WITNESS WHEREOF**, the parties have caused their respective corporate names to be affixed hereto and this instrument to be signed by their duly authorized officers as of the day and year written below.

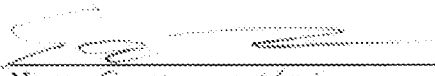
**NOKIA CORPORATION**

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

74307-US-NP	United States Of America	20 Aug 1999	09/378371	16 Apr 2002	6374386
74306-US-NP	United States Of America	07 Jul 1999	09/348701	01 Oct 2002	6459693
74304-US-NP	United States Of America	10 Dec 1999	09/459050	23 Sep 2003	6625775
74297-US-NP	United States Of America	08 Mar 2011	13/043161		
74292-US-NP	United States Of America	30 Jun 2011	13/173610		
74284-US-NP	United States Of America	20 Dec 2010	12/973514	08 Jan 2013	8352480
74282-US-NP	United States Of America	03 Dec 2010	12/960116	19 Aug 2014	8811309
74268-US-PCT	United States Of America	30 Jan 2011	13/979454		
74267-US-NP	United States Of America	01 Nov 2010	12/916851	19 Feb 2013	8379586
74256-US-NP	United States Of America	23 Nov 2010	12/952249		
74254-US-NP	United States Of America	01 May 2009	12/434106	15 May 2012	8180376
74250-US-NP	United States Of America	03 Feb 2011	13/020168	08 Jan 2013	8351555
74247-US-PCT	United States Of America	18 Jan 2011	13/979056		
74244-US-NP	United States Of America	22 Dec 2010	12/976854		
74241-US-PCT	United States Of America	20 Dec 2010	13/991746		
74236-US-NP	United States Of America	10 Nov 2011	13/293257		
74224-US-NP	United States Of America	12 Oct 2010	12/902961	17 Dec 2013	8610831
74223-US-NP	United States Of America	05 Nov 2010	12/927064		
74217-US-PCT	United States Of America	14 Feb 2011	13/984051		
74209-US-NP	United States Of America	20 Dec 2010	12/973212	19 Aug 2014	8810626
74191-US-NP	United States Of America	30 Sep 2011	13/250286		
74188-US-PCT	United States Of America	17 Dec 2010	13/994899		
74186-US-NP	United States Of America	17 Jan 2011	13/007939	03 Sep 2013	8526520
74185-US-NP	United States Of America	05 Nov 2010	12/940677	03 Dec 2013	8599014
74183-US-PCT	United States Of America	14 Dec 2010	13/993439		