

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3381448

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the RECEIVING PARTY DATA: NOKIA TECHNOLOGIES OY KARAPORTTI 3 SUNNYVALE, FINLAND 02610 previously recorded on Reel 035512 Frame 0482. Assignor(s) hereby confirms the RECEIVING PARTY DATA: NOKIA TECHNOLOGIES OY KARAPORTTI 3 ESPOO, FINLAND 02610.

CONVEYING PARTY DATA

Name	Execution Date
NOKIA CORPORATION	01/16/2015

RECEIVING PARTY DATA

Name:	NOKIA TECHNOLOGIES OY
Street Address:	KARAPORTTI 3
City:	ESPOO
State/Country:	FINLAND
Postal Code:	02610

PROPERTY NUMBERS Total: 25

Property Type	Number
Application Number:	12647839
Application Number:	12584774
Application Number:	13509787
Application Number:	12459233
Application Number:	12583505
Application Number:	12459232
Application Number:	12456428
Application Number:	13379070
Application Number:	12459379
Application Number:	13377823
Application Number:	12459231
Application Number:	13394753
Application Number:	12570422
Application Number:	12488976
Application Number:	12494707
Application Number:	12459100
Application Number:	12459083
Application Number:	12456178

PATENT

Property Type	Number
Application Number:	12494957
Application Number:	12495071
Application Number:	12490244
Application Number:	12487192
Application Number:	12459571
Application Number:	13395290
Application Number:	12560465

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

NAME OF SUBMITTER:	THAO PHAM
SIGNATURE:	/Thao Pham/
DATE SIGNED:	06/03/2015

Total Attachments: 4
source=Assignment cover sheet#page1.tif
source=Assignment cover sheet#page2.tif
source=NCorp-Ntech Assignment#page1.tif
source=NCorp-Ntech Assignment#page2.tif

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1

Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
NOKIA CORPORATION	01/16/2015
RECEIVING PARTY DATA	
Name:	NOKIA TECHNOLOGIES OY
Street Address:	KARAPORTTI 3
City:	SUNNYVALE
State/Country:	FINLAND
Postal Code:	02610
PROPERTY NUMBERS Total: 25	
Property Type	Number
Application Number:	12647839
Application Number:	12584774
Application Number:	13509787
Application Number:	12459233
Application Number:	12583505
Application Number:	12459232
Application Number:	12456428
Application Number:	13379070
Application Number:	12459379
Application Number:	13377823
Application Number:	12459231
Application Number:	13394753
Application Number:	12570422
Application Number:	12488976
Application Number:	12494707
Application Number:	12459100
Application Number:	12459083
Application Number:	12456178

PATENT**REEL: 035819 FRAME: 0990**

Application Number:	12494957
Application Number:	12495071
Application Number:	12490244
Application Number:	12487192
Application Number:	12459571
Application Number:	13395290
Application Number:	12560465

CORRESPONDENCE DATA**Fax Number:****Email:** thao.pham@nokia.com*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.***Correspondent Name:** NOKIA USA INC. ATTN: IP DOCKETING**Address Line 1:** 200 SOUTH MATHILDA AVE**Address Line 4:** SUNNYVALE, CALIFORNIA 94086**NAME OF SUBMITTER:** THAO PHAM**Signature:** /Thao Pham/**Date:** 04/28/2015**Total Attachments: 2**

source=Tech_Assignment_3#page1.tif

source=Tech_Assignment_3#page2.tif

RECEIPT INFORMATION**EPAS ID:** PAT3329529**Receipt Date:** 04/28/2015**PATENT**

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;

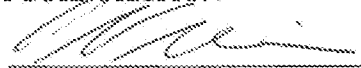
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged and in accordance with that certain Business Purchase Agreement between Nokia Corporation and Nokia Technologies having an effective date of 31 December 2014 (hereinafter "Agreement"):

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.

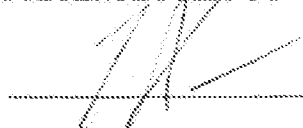
IN WITNESS WHEREOF, the parties have caused their respective corporate names to be affixed hereto and this instrument to be signed by their duly authorized officers as of the day and year written below.

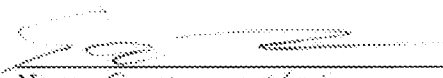
NOKIA CORPORATION

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

69668-US-CIP	United States Of America	28 Dec 2009	12/647839	27 Dec 2011	8084336
69668-US-NP	United States Of America	10 Sep 2009	12/584774	25 Oct 2011	8044738
69656-US-PCT	United States Of America	02 Dec 2009	13/509787		
69655-US-NP	United States Of America	29 Jun 2009	12/459233		
69648-US-NP	United States Of America	20 Aug 2009	12/583505	12 Jun 2012	8199493
69645-US-NP	United States Of America	29 Jun 2009	12/459232	03 Jul 2012	8213181
69641-US-NP	United States Of America	15 Jun 2009	12/456428	20 Mar 2012	8140900
69636-US-PCT	United States Of America	28 May 2010	13/379070		
69634-US-NP	United States Of America	30 Jun 2009	12/459379	16 Dec 2014	8913738
69630-US-PCT	United States Of America	09 Jun 2010	13/377823	17 Feb 2015	8958357
69628-US-NP	United States Of America	29 Jun 2009	12/459231		
69627-US-PCT	United States Of America	07 Sep 2009	13/394753		
69623-US-NP	United States Of America	30 Sep 2009	12/570422	15 Jul 2014	8780134
69620-US-NP	United States Of America	22 Jun 2009	12/488976	30 Sep 2014	8848547
69592-US-NP	United States Of America	30 Jun 2009	12/494707	01 Apr 2014	8687816
69585-US-NP	United States Of America	26 Jun 2009	12/459100		
69584-US-NP	United States Of America	26 Jun 2009	12/459083		
69573-US-NP	United States Of America	11 Jun 2009	12/456178	03 Feb 2015	8947400
69571-US-NP	United States Of America	30 Jun 2009	12/494957		
69568-US-NP	United States Of America	30 Jun 2009	12/495071	04 Jun 2013	8458799
69562-US-NP	United States Of America	23 Jun 2009	12/490244		
69561-US-NP	United States Of America	18 Jun 2009	12/487192		
69558-US-NP	United States Of America	02 Jul 2009	12/459571		
69534-US-PCT	United States Of America	11 Sep 2009	13/395290	30 Sep 2014	8848925
69531-US-NP	United States Of America	16 Sep 2009	12/560465	22 Apr 2014	8706821