PATENT ASSIGNMENT COVER SHEET

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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:	ESPOO
State/Country:	FINLAND
Postal Code:	02610

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14777852

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

ATTORNEY DOCKET NUMBER:	NC80611-US-PCT
NAME OF SUBMITTER:	THAO PHAM
SIGNATURE:	/Thao Pham/
DATE SIGNED:	09/17/2015

Total Attachments: 2

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PATENT 503483920 REEL: 036590 FRAME: 0472

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 <u>Attachment 1</u> 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 <a href="https://doi.org/10.1007/j.com/nt/10.1007/j.com

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 <u>Attachment 1</u>, 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	A CORPORATION		
By: Name: Title:	Esa Niinimäkl Authorized signatory	Name: Anna Oksala Title: Lagal Consel	
Date:	16 Langury 2015	Date: 12 January 2015	
NOKI/	A TECHNOLOGIES OY		
Ву:			
Name:		Name: Sam USACK	
Title:	Jyri Lassi	Title: How I of French and open for	
Date:	Vice President, Legal & IP 16 JOHNHOLOY 2015	Date: 16 January 2012	

Attachment 1

Docket No.	Country	Serial No.	Filing Date
NC80611-US-PCT	United States of	14/777852	September 17, 2015
	America		

PATENT REEL: 036590 FRAME: 0474

RECORDED: 09/17/2015