## 503861380 06/08/2016 PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT				
NATURE OF CONVEYANCE:		ASSIGNMENT				
CONVEYING PARTY	' DATA					
		Name E	xecution Date			
NOKIA CORPORATIO	NC	01	/16/2015			
RECEIVING PARTY	DATA					
Name:	NOKIA	NOKIA TECHNOLOGIES OY				
Street Address:	KARAP	KARAPORTTI 3				
City:	ESPOC	SPOO				
State/Country:	FINLAN	FINLAND				
Postal Code:	02610	02610				
Application Number	:	14058819				
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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 <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 <u>Attachment 1</u> 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 <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 CORPORATION

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

NOKIA TECHNOLOGIES OY By: Name: Title: Jyri Lassi Date: Vice President, Legal & IP 16 January

Name: Anne Oksalt Title: Legal Consel Date: 15 January 201

Name: Sei Au 08 K.C. (2)

Title: Now of Presses and open had Date: No James Of y 2015

PATENT REEL: 038842 FRAME: 0619

Docket No.	Country	Serial No.	Filing Date
NC84180-US-PCT	United States	14/058819	October 21, 2013