PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JUHA JOHANNES SALOKANNEL	01/22/2013
ANTTI PAAVO TAPANI KAINULAINEN	02/18/2012

RECEIVING PARTY DATA

Name:	NOKIA CORPORATION
Street Address:	KEILALAHDENTIE 4
City:	ESPOO
State/Country:	FINLAND
Postal Code:	02150

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14436036	

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: Sandy.fong-Hou@nokia.com

Correspondent Name: NOKIA USA INC. ATTN: INTELLECTUAL PROPE

Address Line 1: 200 SOUTH MATHILDA AVE

Address Line 4: SUNNYVALE, CALIFORNIA 94086

ATTORNEY DOCKET NUMBER:	79896US INV TO NCORP
NAME OF SUBMITTER:	SANDY FONG-HOU
SIGNATURE:	/Sandy Fong-Hou/
DATE SIGNED:	08/17/2015

Total Attachments: 4

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PATENT 503439638 REEL: 036342 FRAME: 0023

THIS ASSIGNMENT is made on the date(s) given at the bottom.

BETWEEN

Juha Johannes SALOKANNEL, a Finnish citizen having an address at Siikinkatu 13, 33710 Tampere, Finland;

Antti Paavo Tapani KAINULAINEN, a Finnish citizen having an address at Ajurinmäki 5 A 28, 02650 Espoo, Finland; (hereafter termed "the Inventors")

and

Nokia Corporation, a Company organised under the laws of Finland and having a place of business at Keilalahdentie 4, Espoo 02150, Finland (hereafter termed "the Assignee")

WHEREAS

- (a) the Inventors have jointly together made an invention (hereafter termed "the Invention") entitled "Using Bluetooth Low Energy" as described and claimed in International Patent Application number PCT/IB2012/056017, filed on 30 October 2012;
- (b) because of obligations on the Inventors at the time the Invention was made, all rights, title and interest in the Invention belongs to the Assignee;
- (c) for the avoidance of any doubt as to the ownership of the Invention the Assignee has asked the Inventors to execute this assignment, which the Inventors have agreed to do.

IT IS AGREED as follows:

- 1. In consideration of the sum of €1 and other good and valuable consideration paid by the Assignee to the Inventors, receipt of which is hereby acknowledged, the Inventors hereby assign to the Assignee with full title guarantee all the Inventors' rights, title and interest in the Invention including the right to apply for and obtain intellectual property rights including patent and utility model rights Worldwide, including the right to claim priority from such intellectual property rights, and to hold the same unto the Assignee absolutely.
- 2. The Inventors agree to do all acts and things as may be necessary, or required to record on official registers of patents and elsewhere as required that the proprietor and beneficial owner of the Invention and related rights is the Assignee or an entity or entities to whom the Assignee

may assign their rights, and the Assignee agrees to bear all reasonable expenses relating thereto.

IN WITNESS WHEREOF the parties have executed this assignment on the date(s) stated below

Nokia Inventors' assignment - Venner Shipley LLP

on behalf of the Assignee
Nokia Corporation

THIS ASSIGNMENT is made on the date(s) given at the bottom.

BETWEEN

Juha Johannes SALOKANNEL, a Finnish citizen having an address at Siikinkatu 13, 33710 Tampere, Finland;

Antti Paavo Tapani KAINULAINEN, a Finnish citizen having an address at Tervaranta 44, 03100 Nummela, Finland; (hereafter termed "the Inventors")

and

Nokia Corporation, a Company organised under the laws of Finland and having a place of business at Keilalahdentie 4, Espoo 02150, Finland (hereafter termed "the Assignee")

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Nokia Inventors' assignment - Venner Shipley LLP

2. The Inventors agree to do all acts and things as may be necessary, or required to record on official registers of patents and elsewhere as required that the proprietor and beneficial owner of the Invention and related rights is the Assignee or an entity or entities to whom the Assignee may assign their rights, and the Assignee agrees to bear all reasonable expenses relating thereto.

IN WITNESS WHEREOF the parties have executed this assignment on the date(s) stated below

SIGNED by	(signature)	Date
	Juha Johannes SALOKANNEL	
SIGNED by	(signature) Antti Paavo Tapani KAINULAINEN	Date <u>1812.2012</u>
SIGNED by	Virpi Tognetty Director, Patenting Operations	Date <u>15. 2. 2013</u>
	Legal and Intellectual Property (print name)	

Nokia Inventors' assignment - Venner Shipley LLP

RECORDED: 08/17/2015

on behalf of the Assignee

Nokia Corporation