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: 25

Property Type	Number
Application Number:	13614447
Application Number:	13417482
Application Number:	14383130
Application Number:	14372336
Application Number:	14373481
Application Number:	13517832
Application Number:	14368267
Application Number:	13852533
Application Number:	13366840
Application Number:	14364667
Application Number:	14362912
Application Number:	13368815
Application Number:	13886116
Application Number:	14377113
Application Number:	14377031
Application Number:	13551720
Application Number:	13732904
Application Number:	13345143
Application Number:	14369745
Application Number:	13445467

PATENT REEL: 035253 FRAME: 0254

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Property Type	Number
Application Number:	13400440
Application Number:	13370992
Application Number:	13345019
Application Number:	13435372
Application Number:	13409806

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:	03/25/2015

Total Attachments: 2

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> PATENT REEL: 035253 FRAME: 0255

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/journal.com/linearing-not/files/burners/lin

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 <a href="https://doi.org/10.1007/jtm2.20

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.

NOKL	A CORPORATION	
By: Name: Title: Date:	Esa Niinimäki Authorized signatory No Norwory 2015	Name: Arma Oksola Title: Legal Cansel Date: 16 January 2015
NOKL	A TECHNOLOGIES OY	
By: Name: Title: Date:	Jyri Lassi Vice President, Legal & IP 16 January 2015	Name: Service of Strates and operations Date: 16 January 2015

Attachment 1

RECORDED: 03/25/2015

77719-US-NP	United States Of America	13 Sep 2012	13/614447		
77703-US-NP	United States Of America	12 Mar 2012	13/417482		
77700-US-PCT	United States Of America	15 Mar 2012	14/383130		
77695-US-PCT	United States Of America	07 Feb 2012	14/372336		
77694-US-PCT	United States Of America	10 Feb 2012	14/373481		
77693-US-NP	United States Of America	14 Jun 2012	13/517832		
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77680-US-NP	United States Of America	06 Feb 2012	13/366840		
77677-US-PCT	United States Of America	18 Dec 2012	14/364667		
77670-US- PCT[2]	United States Of America	15 Dec 2011	14/362912		
77661-US-NP	United States Of America	08 Feb 2012	13/368815	12 Aug 2014	8805158
77660-US-NP	United States Of America	02 May 2013	13/886116		
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77645-US-NP	United States Of America	02 Jan 2013	13/732904		
77644-US-NP	United States Of America	06 Jan 2012	13/345143		
77643-US-PCT	United States Of America	31 Dec 2011	14/369745		
77642-US-NP	United States Of America	12 Apr 2012	13/445467		
77637-US-NP	United States Of America	20 Feb 2012	13/400440	18 Nov 2014	8890825
77635-US-NP	United States Of America	10 Feb 2012	13/370992		
77634-US-NP	United States Of America	06 Jan 2012	13/345019		
77632-US-NP	United States Of America	30 Mar 2012	13/435372	25 Nov 2014	8895864
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