503696174 02/17/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3742812

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NOKIA CORPORATON	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:	14067249

CORRESPONDENCE DATA

Fax Number: (203)944-0245

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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ATTORNEY DOCKET NUMBER:	891.0014.U4(US)
NAME OF SUBMITTER:	JUAN JUAN
SIGNATURE:	/Juan Juan/
DATE SIGNED:	02/17/2016

Total Attachments: 2

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PATENT 503696174 REEL: 037754 FRAME: 0626

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 I</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 <a href="https://doi.org/10.1007/journal

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: Esa Niinimäki Name: Authorized signatory Title: Date: 16 Linesony NOKIA TECHNOLOGIES OY By: Name: Title: Ivri Lassi Date: Vice President, Legal & IP 16 January 2015 16 Januar

Attachment I

RECORDED: 02/17/2016

			Filing		Grant
Case reference	Country	Filing Date	Number	Grant	Number
04500-US-PCD	United States	12 Sep 2007	11/854519	31 Jan 2012	8108788
	Of America				
26108-US-	United States	14 Oct 2011	13/273358	29 Jan 2013	8364831
CNT[2]	Of America				
28173-US-CNT	United States	09 Mar 2004	10/795342	12 Dec 2006	7149541
	Of America				
28591-US-CNT	United States	01 Nov 2004	10/977258	15 Sep 2009	7589726
	Of America				
43979-US-DIV	United States	25 Feb 2008	12/036995	06 Mar 2012	8131272
	Of America				l
44431-US-DIV	United States	01 Aug 2008	12/221336	31 Jan 2012	8108832
	Of America				
51996-US-CNT	United States	20 Aug 2010	12/860234	29 Jan 2013	8363824
	Of America				
51996-US-	United States	15 Jan 2013	13/741781	24 Dec 2013	8615077
CNT[2]	Of America				
51996-US-	United States	30 Oct 2013	14/067249	10 Feb 2015	8953780
CNT[3]	Of America				
(1000 TIG TID	1	1 20 7 200	131/550000	20.5 1 2010	0107074
61208-US-NP	United States	29 Jun 2007	11/770929	28 Feb 2012	8127254
	Of America	10 1 0010	10/066/55		
61208-US-CNT	United States	19 Apr 2013	13/866455		
	Of America		4-1000-40	1 20 5 2011	0010841
61208-US-	United States	08 May 2013	13/889750	23 Dec 2014	8918741
CNT[2]	Of America				
61208-US-	United States	19 Apr 2013	13/866475		
CNT[3]	Of America				

PATENT REEL: 037754 FRAME: 0628