

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6728748

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	NOKIA CORPORATION	01/16/2015
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	NOKIA TECHNOLOGIES OY	
<b>Street Address:</b>	KARAKAARI 7	
<b>City:</b>	ESPOO	
<b>State/Country:</b>	FINLAND	
<b>Postal Code:</b>	02610	
<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	17328750	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(704)444-1111	
<i>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.</i>		
<b>Phone:</b>	7044441000	
<b>Email:</b>	usptomail@alston.com	
<b>Correspondent Name:</b>	ALSTON & BIRD	
<b>Address Line 1:</b>	ONE SOUTH AT THE PLAZA	
<b>Address Line 2:</b>	101 SOUTH TRYON STREET, SUITE 4000	
<b>Address Line 4:</b>	CHARLOTTE, NORTH CAROLINA 28280-4000	
<b>ATTORNEY DOCKET NUMBER:</b>	042933/560470	
<b>NAME OF SUBMITTER:</b>	GUY R. GOSNELL	
<b>SIGNATURE:</b>	/Guy R. Gosnell/	
<b>DATE SIGNED:</b>	05/25/2021	
<b>Total Attachments: 2</b>		
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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 Attachment 1 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 Attachment 1 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 Attachment 1, as are set forth in the Agreement.

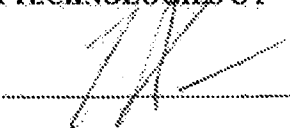
**IN WITNESS WHEREOF**, the parties have caused their respective corporate names to  
be affixed hereto and this instrument to be signed by their duly authorized officers as of the day  
and year written below.

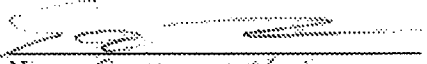
**NOKIA CORPORATION**

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

  
Name: Anne Oksanen  
Title: Legal Counsel  
Date: 16 January 2015

**NOKIA TECHNOLOGIES OY**

By:   
Name: Jyri Lassus  
Title: Vice President, Legal & IP  
Date: 16 January 2015

  
Name: Sami Oskola  
Title: Head of Finance and operations  
Date: 16 January 2015

PATENT

REEL: 035424 FRAME: 0781

PATENT

REEL: 056347 FRAME: 0013

## Attachment 1

75019-US-NP	United States Of America	30 Mar 2011	13/075723	29 Oct 2013	8571467
75017-US-NP	United States Of America	16 Mar 2011	13/049429		
75013-US-NP	United States Of America	21 Apr 2011	13/091711	27 Jan 2015	8941601
75012-US-NP	United States Of America	31 Mar 2011	13/077010		
74975-US-PCT	United States Of America	06 May 2011	14/115525		
74974-US-NP	United States Of America	28 Mar 2011	13/073456		
74973-US-NP	United States Of America	04 Jun 2012	13/487801		
74965-US-PCT	United States Of America	24 Mar 2011	14/006964		
74963-US-NP	United States Of America	20 Apr 2012	13/451934	02 Sep 2014	8823820
74951-US-PCT	United States Of America	01 Feb 2011	13/980725		
74945-US-NP	United States Of America	10 Jan 2012	13/347174		
74943-US-NP	United States Of America	05 May 2011	13/101297		
74942-US-PCT	United States Of America	09 Feb 2012	13/982918		
74941-US-NP	United States Of America	30 May 2012	13/483935		
74938-US-PCT	United States Of America	24 May 2011	14/118878		
74937-US-NP	United States Of America	06 May 2011	13/102671		
74929-US-NP	United States Of America	06 Jan 2012	13/344975	13 Jan 2015	8935424
74925-US-NP	United States Of America	06 Jan 2012	13/344893		
74924-US-NP	United States Of America	23 Apr 2012	13/453354		
74923-US-NP	United States Of America	27 Apr 2011	13/095078		
74921-US-PCT	United States Of America	23 Feb 2011	14/001157	16 Dec 2014	8912873
74911-US-NP	United States Of America	29 Mar 2011	13/074380	31 Dec 2013	8621563
74897-US-PCT	United States Of America	04 May 2011	14/115178		
74893-US-NP	United States Of America	28 Mar 2011	13/073485		
74883-US-NP	United States Of America	19 Apr 2011	13/089870		

RECORDED: 04/16/2015  
RECORDED: 05/25/2021

PATENT  
REEL: 035424 FRAME: 0782  
PATENT  
REEL: 056347 FRAME: 0014