

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5542427

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
NOKIA CANADA INC. (FORMERLY ALCATEL-LUCENT CANADA INC.)	07/21/2017

**RECEIVING PARTY DATA**

<b>Name:</b>	ALCATEL-LUCENT
<b>Street Address:</b>	SITE DE NOKIA PARIS-SACLAY
<b>Internal Address:</b>	ROUTE DE VILLEJUST
<b>City:</b>	NOZAY
<b>State/Country:</b>	FRANCE
<b>Postal Code:</b>	91620

**PROPERTY NUMBERS Total: 10**

Property Type	Number
Patent Number:	6687254
Patent Number:	6977943
Patent Number:	7035209
Patent Number:	7046634
Patent Number:	7126921
Patent Number:	7139069
Patent Number:	7515546
Patent Number:	7742459
Patent Number:	7787458
Patent Number:	7856599

**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:** mary.poremba@nokia.com

**Correspondent Name:** MARY T. POREMBA

**Address Line 1:** 600-700 MOUNTAIN AVENUE

**Address Line 2:** ROOM 6E-210

**Address Line 4:** MURRAY HILL, NEW JERSEY 07974-0636

<b>ATTORNEY DOCKET NUMBER:</b>	TERRIER-WSOU-MTP
<b>NAME OF SUBMITTER:</b>	NIRAJ A. DESAI
<b>SIGNATURE:</b>	/Niraj A. Desai/
<b>DATE SIGNED:</b>	05/28/2019
<b>Total Attachments: 3</b> source=Terrier(WSOU-Cases)_ALUCanadaInc-to-ALU#page1.tif source=Terrier(WSOU-Cases)_ALUCanadaInc-to-ALU#page2.tif source=Terrier(WSOU-Cases)_ALUCanadaInc-to-ALU#page3.tif	

## ASSIGNMENT

This Assignment shall be effective as of **21 July 2017** (the "Effective Date").

**Nokia Canada Inc. (formerly Alcatel-Lucent Canada Inc.)**, a corporation established and existing under the laws of Canada and having its principal place of business at 600 March Road, Ottawa, Ontario, K2K 2E6, Canada ("Assignor") does hereby assign, transfer and convey, subject to any existing rights, licenses and/or obligations of or to third parties, unto **Alcatel Lucent**, a corporation established and existing under the laws of France and having its principal place of business at Site de Nokia Paris-Saclay, Route de Villejust, 91620 Nozay, France ("Assignee"), all of Assignor's right, title and interest, for all countries, jurisdictions and political entities of the world, in and to any and all of the following (collectively, "Rights"):

- (a) The invention or inventions (collectively, "Inventions") identified in **SCHEDULE A** and all the Intellectual Property rights and privileges under any and all forms of protection, including those enumerated below;
- (b) The patent application(s) filed with respect to said Inventions, as identified in **SCHEDULE A**, and patent applications or other applications that may be filed for protection including, without limitation, applications for certificates of invention, utility models, industrial design protection, design patent protection, and provisional patent applications wherever filed, with respect to the Inventions, (collectively, "Applications") including all rights to file and prosecute such Applications directly in the name of Assignee;
- (c) All patents including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, that may be granted, registered, or issued with respect to the Inventions or the Applications (collectively, "Patents") including, but not limited to, any already granted patents identified in **SCHEDULE A**;
- (d) All reissues, requests for continuing examinations, re-examinations, extensions, continuations, continuing prosecution applications, divisions, or registrations of, any item in any of the any of the foregoing categories (b) or (c);
- (e) The right to claim priority rights deriving or arising from any of the foregoing categories (b), (c) or (d) and for Assignee to otherwise avail itself of the provisions of the international conventions governing the protection of inventions;
- (f) All causes of action and enforcement rights related to any of the foregoing categories (a), (b), (c) or (d) (including, without limitation, the right to sue and to pursue damages, injunctive relief, or other remedies for past, present, or future infringement, misappropriation, or violation of rights related thereto);
- (g) All rights to license and to collect royalties and other payments under or on account of any of the foregoing categories (a), (b), (c) or (d); and
- (h) Any and all other rights and interests arising out of, in connection with, or in relation to any of the foregoing categories (a), (b), (c) or (d),

with respect to which, and to the extent to which, Assignor had or has acquired the right to so assign, convey, transfer and deliver.

With respect to which, and to the extent to which, Assignor had or has acquired the right to so assign, convey, transfer and deliver.


Assignor requests the respective patent office or governmental agency in each jurisdiction to grant or issue any and all letters patents, certificates of invention, utility models or other governmental or inter-governmental grants or issuances that may be granted upon any of the Rights in the name of the Assignee, as the Assignee to the Assignor's entire interest therein.

The terms and conditions of this Assignment will inure to the benefit of Assignee, its successors or assigns, and anyone properly designated by them and will be binding upon Assignor, its successors or assigns, and anyone properly designated by them.

IN WITNESS WHEREOF, each of the Parties has caused this Assignment to be executed by its duly authorized representatives as of the Effective Date.

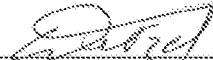
ASSIGNOR:

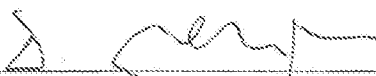
**NOKIA CANADA INC. (formerly Alcatel-Lucent Canada Inc.)**

By:   
Name: JOHN GRANCHELLI  
Title: TECHNOLOGY AREA LEAD  
Date: MAY 23, 2019

ASSIGNEE:

**ALCATEL LUCENT**

By:   
Name: Emmanuelle Wetzel  
Title: Director Patents  
Date: May 24, 2019

By:   
Name: Domenico Menicetti  
Title: Senior Corporate IP Counsel  
Date: May 27, 2019

**SCHEDULE A**

<u>Case Reference</u>	<u>Country</u>	<u>Application Number</u>	<u>Grant Number</u>
137128-US-NP	US	09/339844	US6687254
803983-US-NP	US	09/969785	US6977943
803986-US-NP	US	09/934851	US7035209
802671-US-NP	US	10/121654	US7046634
804280-US-NP	US	10/101383	US7126921
803415-US-NP	US	11/065098	US7139069
137487-US-NP	US	10/029124	US7515546
137538-US-NP	US	10/350423	US7742459
137346-US-NP	US	09/998504	US7787458
137489-US-NP	US	10/027821	US7856599