

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5194844

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
WADE AND COMPANY	11/30/2017
WSOU INVESTMENTS LLC	11/30/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ALCATEL LUCENT
<b>Street Address:</b>	1 ROUTE DE VILLEJUST
<b>Internal Address:</b>	CENTRE DE VILLARCEAUX
<b>City:</b>	NOZAY
<b>State/Country:</b>	FRANCE
<b>Postal Code:</b>	91620,
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	6624723
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>Email:</b>	narpatent@nokia.com
<b>Correspondent Name:</b>	MARY T. POREMBA
<b>Address Line 1:</b>	600-700 MOUNTAIN AVENUE
<b>Address Line 2:</b>	ROOM 6E-210
<b>Address Line 4:</b>	MURRAY HILL, NEW JERSEY 07974-0636
<b>ATTORNEY DOCKET NUMBER:</b>	132510-US-NP (MTP)
<b>NAME OF SUBMITTER:</b>	NIRAJ A. DESAI
<b>SIGNATURE:</b>	/Niraj A. Desai/
<b>DATE SIGNED:</b>	10/18/2018
<b>Total Attachments: 3</b>	
source=Patents assigned to Nokia from WSOU 30-Nov-2017(F1)#page1.tif	
source=Patents assigned to Nokia from WSOU 30-Nov-2017(F1)#page2.tif	
source=Patents assigned to Nokia from WSOU 30-Nov-2017(F1)#page3.tif	

## **SCHEDULE F1: ASSIGNMENT OF PATENT RIGHTS**

### **BY WADE AND COMPANY AND WSOU INVESTMENTS LLC** **TO ALCATEL LUCENT**

#### **PATENT ASSIGNMENT**

This **PATENT ASSIGNMENT**, including without limitation **Exhibit A** of this **Schedule F1**, ("**Assignment**") is made by:

- (1) **Wade and Company**, a company validly organized and existing under the laws of Ontario, Canada, having its principal address at 17 Prince Arthur, Toronto, ON M5R 1G4 CANADA, and **WSOU Investments LLC** a company validly organized under the laws of Delaware, having its principal address at 11150 Santa Monica Boulevard, Suite 1400 Los Angeles, CA 90025 (together the "**Assignors**"); to
- (2) **Alcatel Lucent**, a company validly organized and existing under the laws of France and having its principal address at 1 Route de Villejust, Centre de Villarceaux, 91620, Nozay, France, (the "**Assignee**"),

All references to the plural herein also mean the singular, and vice versa, unless the context otherwise requires.

**WHEREAS**, WSOU Investments LLC is the owner of certain patents and patent applications, as specified in **Exhibit A** hereto.

#### **DEFINITIONS**

"**Assigned Patents**" means (a) patent applications listed in **Exhibit A** of this **Schedule F1**; (b) all reissues, reexaminations, continuations, continuations-in-part, divisionals, renewals and extensions of such patents and patent applications (whether pending, issued, abandoned or filed prior to, on or after the Effective Date); (c) all patents and patent applications (i) to which any or all of the foregoing directly or indirectly claims priority to, or the benefit of, the filing date, or (ii) for which any or all of the foregoing directly or indirectly forms a basis for priority or otherwise provides the benefit of an earlier filing date; and (d) all foreign counterparts to any or all of the foregoing, and all utility models, certificates of invention, patent registrations and equivalent rights worldwide.

"**Assignment Date**" means November 30, 2017.

#### **PATENT ASSIGNMENT**

Assignors hereby assign, transfer, and convey unto Assignee, all of Assignors' right, title, and interest in and to each of the Assigned Patents.

The assignment, transfer, and conveyance to Assignee set forth above will become effective on the Assignment Date.

EXECUTION VERSION

IN WITNESS WHEREOF, the Assignors have caused this Assignment to be signed by their duly authorized officers.

ASSIGNOR:

WADE AND COMPANY

By: [Signature]

Name: STUART SHANUS

Title: General Counsel

Date: NOV. 27, 2017

ASSIGNOR:

WSOU INVESTMENTS LLC

By: [Signature]

Name: STUART SHANUS

Title: Managing Director

Date: NOV. 27, 2017

ACKNOWLEDGED BY ASSIGNEE

ASSIGNEE:

ALCATEL LUCENT

By: [Signature]

Name: KATHRYN E. OLSON

Title: AUTHORIZED SIGNATORY

Date: NOV. 28, 2017

ASSIGNEE:

ALCATEL LUCENT

By: [Signature]

Name: SERDNE MOONEY

Title: Senior IP Counsel

Date: Nov 27, 2017

## EXHIBIT A SCHEDULE F1 – ASSIGNED PATENTS

FAMILY	CASE REFERENCE	GRANT NUMBER	APPLICATION NUMBER	PUBLICA TION NUMBER	CO UN TRY	ISSUE DATE	EXPIRA TION DATE	APPLICA TION DATE	TITLE
106284	106284-EP-EPA		07115572.5	EP1898492	EP		3-Sep-27	3-Sep-07	DIELECTRIC ROTATIVE PHASE SHIFTER
106284	106284-FR-NP	FR2905803	0653660	2905803	FR	7-May-10	11-Sep-26	11-Sep-06	DIELECTRIC ROTATIVE PHASE SHIFTER
132510	132510-CN-NP	ZL398311	02140548.4	CN1399437	CN	28-May-08	9-Jul-22	9-Jul-02	MULTI-CHANNEL FREQUENCY MULTIPLEXER WITH SMALL DIMENSION
132510	132510-US-NP	US6624723	09/901059		US	23-Sep-03	16-Jul-21	10-Jul-01	MULTI-CHANNEL FREQUENCY MULTIPLEXER WITH SMALL DIMENSION
802245	802245-EP-EPA		07291406.2	EP2063437	EP		26-Nov- 27	26-Nov-07	Micro Coax Cable with foamed PFA dielectric and corrugated outer conductor
801902	801902-DE-EPA	EP2196817	08291162.9	EP2196817	DE	27-Apr-16	10-Dec-28	10-Dec-08	Satellite based measurement principles for antenna state variables
801902	801902-FR-EPA	EP2196817	08291162.9	EP2196817	FR	27-Apr-16	10-Dec-28	10-Dec-08	Satellite based measurement principles for antenna state variables
801902	801902-GB-EPA	EP2196817	08291162.9	EP2196817	GB	27-Apr-16	10-Dec-28	10-Dec-08	Satellite based measurement principles for antenna state variables