

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
NOKIA SOLUTIONS AND NETWORKS BV	11/30/2017
RECEIVING PARTY DATA	
Name:	WSOU INVESTMENTS LLC
Street Address:	11150 SANTA MONICA BLVD.
Internal Address:	SUITE 1400
City:	LOS ANGELES
State/Country:	CALIFORNIA
Postal Code:	90025
PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	8204018
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NAME OF SUBMITTER:	SEAN D. BURDICK
SIGNATURE:	/Sean D. Burdick/
DATE SIGNED:	05/18/2020
Total Attachments: 3	
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source=20171130 Nokia Solutions and Networks BV to WSOU#page3.tif	

SCHEDULE E2: ASSIGNMENT OF PATENT RIGHTS

BY NOKIA SOLUTIONS AND NETWORKS BV

PATENT ASSIGNMENT

This **PATENT ASSIGNMENT**, including without limitation **Exhibit A** of this **Schedule E2**, ("**Assignment**") is made by:

- (1) **Nokia Solutions and Networks BV**, a company validly organized under the laws of Finland, having its principal office at Karaportti 3, 02610 Espoo, Finland ("**Assignor**"); to
- (2) **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, (the "**Assignee**"),

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

WHEREAS, Assignor 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 E2**; (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

Assignor hereby assigns, transfers, and conveys unto Assignee, all of Assignor's 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 and is made subject to certain encumbrances and retained rights for the Assigned Patents in favor of Assignor and/or its assignees and licensees.

IN WITNESS WHEREOF, the Assignor has caused this Assignment to be signed by its duly authorized officers.

ASSIGNOR:

NOKIA SOLUTIONS AND NETWORKS BV

By: [Signature]
Name: Jouni Lehtonen
Title: Authorized Signatory
Date: Nov 29, 2017

ASSIGNOR:

NOKIA SOLUTIONS AND NETWORKS BV

By: [Signature]
Name: Saana Nurminen
Title: Authorized signatory
Date: Nov. 29, 2017

ACKNOWLEDGED BY ASSIGNEE

ASSIGNEE:

WSOU INVESTMENTS LLC

By: [Signature]
Name: STUART SHANUS
Title: Managing Director
Date: Nov 28, 2017

EXHIBIT A of SCHEDULE E2 - ASSIGNED PATENTS

Family	Case Reference	Grant Number	Application Number	Publication Number	Country	Issue Date	Application Date	Title
200623539	2006P23539 US01	US8204018	11/933,670	2008-0151809	US	19-Jun-2012	1-Nov-2007	A Hierarchical Frame Structure for OFDMA Systems with Relay
200623539	2006P23539WE	2080309	07861627.3	2080309	WE	11-Jan-2017	1-Nov-2007	HIERARCHICAL FRAME STRUCTURE FOR OFDMA SYSTEM WITH RELAY
200623539	2006P23539WOIN		2851/DELINP/2009		IN		1-Nov-2007	HIERARCHICAL FRAME STRUCTURE FOR OFDMA SYSTEM WITH RELAY
200623539	2006P23539WECN	2080309	07861627.3	2080309	CH	11-Jan-2017	1-Nov-2007	HIERARCHICAL FRAME STRUCTURE FOR OFDMA SYSTEM WITH RELAY
200623539	2006P23539WEDE	60 2007 049 535.0	07861627.3	2080309	DE	11-Jan-2017	1-Nov-2007	HIERARCHICAL FRAME STRUCTURE FOR OFDMA SYSTEM WITH RELAY
200623539	2006P23539WEFR	2080309	07861627.3	2080309	FR	11-Jan-2017	1-Nov-2007	HIERARCHICAL FRAME STRUCTURE FOR OFDMA SYSTEM WITH RELAY
200623539	2006P23539WEGB	2080309	07861627.3	2080309	GB	11-Jan-2017	1-Nov-2007	HIERARCHICAL FRAME STRUCTURE FOR OFDMA SYSTEM WITH RELAY
200623539	2006P23539WEIT	2080309	07861627.3	2080309	IT	11-Jan-2017	1-Nov-2007	HIERARCHICAL FRAME STRUCTURE FOR OFDMA SYSTEM WITH RELAY
200623539	2006P23539WENL	2080309	07861627.3	2080309	NL	11-Jan-2017	1-Nov-2007	HIERARCHICAL FRAME STRUCTURE FOR OFDMA SYSTEM WITH RELAY
201200664	2012P00664WOCN	104471904	201380038619.5	104471904	CN	8-Sep-2017	17-Jun-2013	CONTENT OPTIMIZATION BASED ON REAL TIME NETWORK DYNAMICS
201200664	2012P00664WE	2875616	13730206.3	2875616	WE	9-Aug-2017	17-Jun-2013	CONTENT OPTIMIZATION BASED ON REAL TIME NETWORK DYNAMICS
201200664	2012P00664WEFR	2875616	13730206.3	2875616	FR	9-Aug-2017	17-Jun-2013	CONTENT OPTIMIZATION BASED ON REAL TIME NETWORK DYNAMICS
201200664	2012P00664WEGB	2875616	13730206.3	2875616	GB	9-Aug-2017	17-Jun-2013	CONTENT OPTIMIZATION BASED ON REAL TIME NETWORK DYNAMICS
201200664	2012P00664WEDE	60 2013 024 743.9	13730206.3	2875616	DE	9-Aug-2017	17-Jun-2013	CONTENT OPTIMIZATION BASED ON REAL TIME NETWORK DYNAMICS

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