

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ALCATEL-LUCENT USA INC.	06/21/2017
RECEIVING PARTY DATA	
Name:	ALCATEL LUCENT
Street Address:	148/152 ROUTE DE LA REINE
City:	BOULOGNE-BILLANCOURT
State/Country:	FRANCE
Postal Code:	92100
PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	7646741
CORRESPONDENCE DATA	
Fax Number:	
<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>	
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Correspondent Name:	DOCKET ADMINISTRATOR
Address Line 1:	600-700 MOUNTAIN AVENUE
Address Line 2:	ROOM 3B-212F
Address Line 4:	MURRAY HILL, NEW JERSEY 07974-0636
ATTORNEY DOCKET NUMBER:	WANG 5-2 (Z)-US-NP (MTP)
NAME OF SUBMITTER:	NIRAJ A. DESAI
SIGNATURE:	/Niraj A. Desai/
DATE SIGNED:	06/26/2017
Total Attachments: 2	
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ASSIGNMENT

Alcatel-Lucent USA Inc., a corporation established and existing under the laws of United States of America and having its principal place of business at 600-700 Mountain Avenue, Murray Hill, New Jersey 07974-0636, United States of America, ("Assignor") does hereby sell, 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 148/152 Route de la Reine, 92100 Boulogne-Billancourt, 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") described in

Invention Docket Reference Number	Title	Inventor(s)
Wang 5-2 (Z)	Method For Client-Based Multicast Message Transmission	ZHOU, Jie (PA0003439) WANG, Zhibi (PA0004694)

and all the Intellectual Property rights and privileges under any and all forms of protection, including:

- (b) 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, the following already granted patents
- US7646741 granted in United States of America on 12 January 2010
- (d) All reissues, requests for continuing examinations, re-examinations, extensions, continuations, continuing prosecution applications, divisions, or registrations of, any item in 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.

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 on the respective dates entered below.

ASSIGNOR:

ALCATEL-LUCENT USA INC.

By: [Signature]

Name: Nancy Shamrock

Title: Senior IP Counsel

Date: June 21, 2017

ASSIGNOR:

ALCATEL-LUCENT USA INC.

By: [Signature]

Name: John F. McCabe

Title: Senior IP Counsel

Date: June 21, 2017

ASSIGNEE:

ALCATEL LUCENT

By: [Signature]

Name: Bernard Zucker

Title: Authorized Signatory

Date: 21 June 2017

ASSIGNEE:

ALCATEL LUCENT

By: [Signature]

Name: Emmanuelle WEIZEL

Title: Director Patents

Date: June 22, 2017