

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3739992

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DORU CALIN	02/11/2016
RECEIVING PARTY DATA	
Name:	ALCATEL-LUCENT USA INC.
Street Address:	600-700 MOUNTAIN AVENUE
City:	MURRAY HILL
State/Country:	NEW JERSEY
Postal Code:	07974-0636
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	15019085
Application Number:	62129949
CORRESPONDENCE DATA	
Fax Number:	(908)582-3850
<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>	
Phone:	908-582-7109
Email:	narpatent@alcatel-lucent.com
Correspondent Name:	ALCATEL-LUCENT USA INC.
Address Line 1:	600-700 MOUNTAIN AVENUE
Address Line 2:	DOCKET ADMINISTRATOR - ROOM 3B-212F
Address Line 4:	MURRAY HILL, NEW JERSEY 07974-0636
ATTORNEY DOCKET NUMBER:	817359-US-NP
NAME OF SUBMITTER:	STEVEN R. SANTEMA
SIGNATURE:	/Steven R. Santema/
DATE SIGNED:	02/16/2016
Total Attachments: 3	
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ASSIGNMENT AND AGREEMENT

For value received, we, **Doru CALIN**, of Manalapan, New Jersey, and **Hyunwoo NAM**, of New York, New York, hereby sell, assign and transfer to **Alcatel-Lucent USA Inc.**, a corporation of the State of Delaware, having an office at 600-700 Mountain Avenue, Murray Hill, New Jersey, 07974-0636, U.S.A. and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to Optimizing Quality Of Service In A Content Distribution Network Using Software Defined Networking described in an application for Letters Patent of the United States, **Serial No. 15/019085, filed 09-Feb-2016**, which claims priority of United States Provisional **Serial No. 62/129949, filed 08-Mar-2015**, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to Alcatel-Lucent USA Inc. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize Alcatel-Lucent USA Inc. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Alcatel-Lucent USA Inc. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to Alcatel-Lucent USA Inc. in the United States and in all countries foreign to the United States, or to such nominees as Alcatel-Lucent USA Inc. may designate.

We agree that, when requested, we shall, without charge to Alcatel-Lucent USA Inc. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

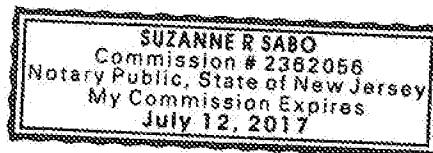
Inventor: Doru CALIN

Signature: *Doru Calin*

Date: February 11, 2016

On this 11th day of February, 2016, before me personally came Doru CALIN known to me to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Suzanne R. Sabo
Notary Public



Inventor: Hyunwoo NAM

Signature: _____ Date: _____

On this _____ day of _____, 2016, before me personally came Hyunwoo NAM known to me to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

**Docket Administrator (Room 3B-212F)
Alcatel-Lucent USA Inc.
600-700 Mountain Avenue
Murray Hill, NJ 07974-0636**