

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT3273052

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ANTONIA TULINO	01/14/2015
JAIME LLORCA	01/14/2015
KARTHIKEYAN SHANMUGAM	12/04/2014
RECEIVING PARTY DATA	
Name:	ALCATEL-LUCENT USA INC.,
Street Address:	600-700 MOUNTAIN AVENUE
City:	MURRAY HILL
State/Country:	NEW JERSEY
Postal Code:	07974
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14514905
CORRESPONDENCE DATA	
Fax Number:	(703)668-8200
<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:	7036688000
Email:	dcmalroom@hdp.com
Correspondent Name:	HARNES, DICKEY & PIERCE, P.L.C.
Address Line 1:	11730 PLAZA AMERICA DRIVE
Address Line 2:	SUITE 600
Address Line 4:	RESTON, VIRGINIA 20190
ATTORNEY DOCKET NUMBER:	29250-002756-US
NAME OF SUBMITTER:	DONALD J. DALEY
SIGNATURE:	/DONALD J. DALEY/
DATE SIGNED:	03/19/2015
Total Attachments: 5	
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ASSIGNMENT AND AGREEMENT

For value received, we, **Antonia TULINO** of **Lincroft** in County of **Monmouth** and State of **New Jersey**, **Jaime LLORCA** of **Red Bank** in County of **Monmouth** and State of **New Jersey**, and **Karthikeyan SHANMUGAM** of **Austin** in County of **Travis** and State of **Texas**, 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, NJ 07974, 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 **DEVICES AND METHODS FOR NETWORK-CODED AND CACHING-AIDED CONTENT DISTRIBUTION** described in an application for Letters Patent of the United States, executed by us of even date herewith, 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, I 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.



Antonia TULINO

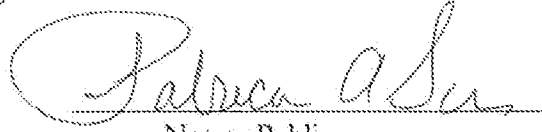
Date: 1/14/2015

United States of America

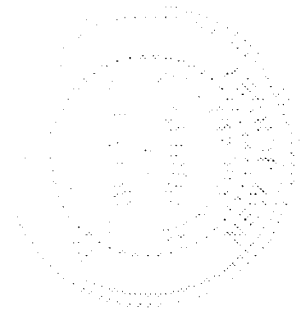
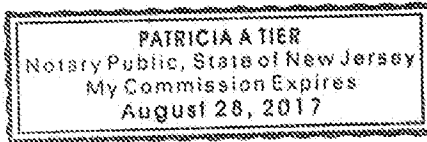
State of New Jersey

County of Morristown


On this 14th day of January, 2015, before me personally came Antonia Tulino to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public



Alcatel-Lucent USA Inc.
600 Mountain Avenue (Room 3D-201)
P. O. Box 636
Murray Hill, New Jersey 07974-0636



Jaime LLORCA

Date: 1/14/2015

United States of America

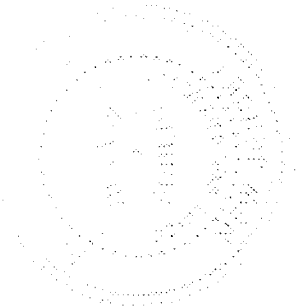
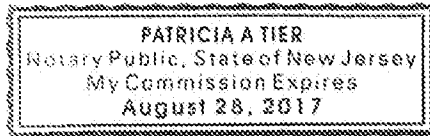
State of New Jersey

County of Monmouth

On this 14th day of January, 2015, before me personally came Jaime Llorca, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public



Alcatel-Lucent USA Inc.
600 Mountain Avenue (Room 3D-201)
P. O. Box 636
Murray Hill, New Jersey 07974-0636

ASSIGNMENT AND AGREEMENT

For value received, we, **Antonia TULINO** of **Lincroft** in County of **Monmouth** and State of **New Jersey**, **Jaime LLORCA** of **Red Bank** in County of **Monmouth** and State of **New Jersey**, and **Karthikeyan SHANMUGAM** of **Austin** in County of **Travis** and State of **Texas**, 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, NJ 07974, 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 **DEVICES AND METHODS FOR NETWORK-CODED AND CACHING-AIDED CONTENT DISTRIBUTION** described in an application for Letters Patent of the United States, executed by us of even date herewith, 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, I 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.

Karthikeyan Shanmugam
Karthikeyan SHANMUGAM

Date: 12.4.2014

United States of America

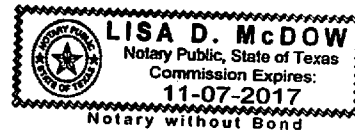
State of TEXAS

County of TRAVIS

On this Forth day of December, 2014, before me personally came K. Shanmugam, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Lisa D. McDow

Notary Public



Alcatel-Lucent USA Inc.
600 Mountain Avenue (Room 3D-201)
P. O. Box 636
Murray Hill, New Jersey 07974-0636