

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Andre Beck</td> <td>02/28/2013</td> </tr> <tr> <td>Jairo O. Esteban</td> <td>01/16/2013</td> </tr> <tr> <td>Steven A. Benno</td> <td>03/04/2013</td> </tr> <tr> <td>Yang Guo</td> <td>09/11/2013</td> </tr> </tbody> </table>		Name	Execution Date	Andre Beck	02/28/2013	Jairo O. Esteban	01/16/2013	Steven A. Benno	03/04/2013	Yang Guo	09/11/2013
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Andre Beck	02/28/2013										
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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: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13628563</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13628563						
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CORRESPONDENCE DATA											
Fax Number:	6313936271										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	631-393-6270										
Email:	nyoffice@rml-law.com										
Correspondent Name:	Joseph B. Ryan										
Address Line 1:	48 South Service Road, Suite 100										
Address Line 4:	Melville, NEW YORK 07974-0636										
ATTORNEY DOCKET NUMBER:	809960-US-NP										
NAME OF SUBMITTER:	Joseph B. Ryan										
Signature:	/joseph b. ryan/										

Date:

09/19/2013

Total Attachments: 5

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ASSIGNMENT AND AGREEMENT

For value received, we, Andre Beck, of Batavia in the County of Kane and State of Illinois, Jairo O. Esteban, of Freehold in the County of Monmouth and State of New Jersey, Steven A. Benno, of Towaco in the County of Morris and State of New Jersey, and Yang Guo of Princeton Junction in the County of Mercer and State of New Jersey, 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, 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 **CONTENT STREAM DELIVERY USING VARIABLE CACHE REPLACEMENT GRANULARITY** described in application Serial No. 13/628,563 for Letters Patent of the United States, filed September 27, 2012, 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, 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.

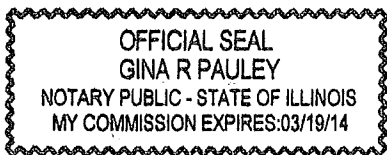
Andre Beck
Andre Beck

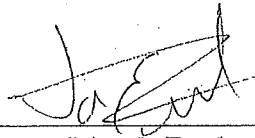
Date 2/28/13

United States of America)
State of Illinois) ss.:
County of ~~DuPage~~ ^{Kane})

On this 28 day of February, 2013, before me personally came Andre Beck, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Gina R. Pauley
Notary Public





Jairo O. Esteban

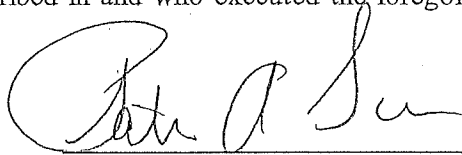
Date Jan 16, 2013

United States of America)

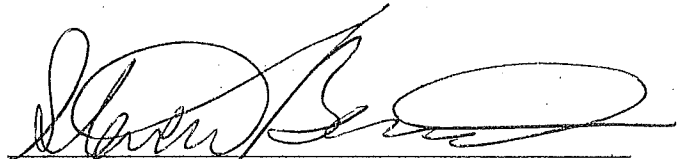
State of New Jersey) ss.:

County of Union)

On this 16th day of January, 2013, before me personally came Jairo O. Esteban, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public


Steven A. Benno

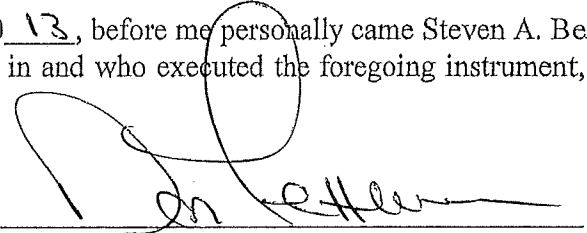
Date 3/4/13

United States of America)

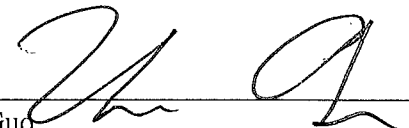
State of New Jersey) ss.:

County of ~~Union~~ morris)

On this 4 day of ~~march~~ 20 13, before me personally came Steven A. Benno, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.


Notary Public

DANIEL FETTERMAN
Notary Public of New Jersey
Commission Expires 10/4/2016



Yang Guo

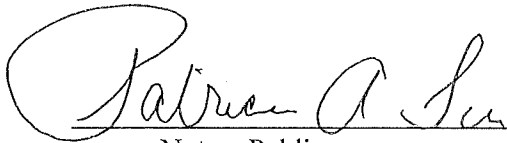
Date September 11, 2013

United States of America)

State of New Jersey) ss.:

County of Union)

On this 11th day of September, 2013, before me personally came Yang Guo, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public

Ryan, Mason & Lewis, LLP
90 Forest Avenue
Locust Valley, New York 11560
(516) 759-2722