

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Edward Grinshpun</td> <td>01/15/2013</td> </tr> <tr> <td>David Faucher</td> <td>01/15/2013</td> </tr> </tbody> </table>		Name	Execution Date	Edward Grinshpun	01/15/2013	David Faucher	01/15/2013				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Alcatel-Lucent USA Inc.</td> </tr> <tr> <td>Street Address:</td> <td>P.O. Box 636</td> </tr> <tr> <td>City:</td> <td>Murray Hill</td> </tr> <tr> <td>State/Country:</td> <td>NEW JERSEY</td> </tr> <tr> <td>Postal Code:</td> <td>07974-0636</td> </tr> </table>		Name:	Alcatel-Lucent USA Inc.	Street Address:	P.O. Box 636	City:	Murray Hill	State/Country:	NEW JERSEY	Postal Code:	07974-0636
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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>13710177</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13710177						
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CORRESPONDENCE DATA											
Fax Number: <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 713-934-4076 Email: kdanas@wmalaw.com Correspondent Name: WILLIAMS, MORGAN & AMERSON Address Line 1: 10333 Richmond, Suite 1100 Address Line 4: Houston, TEXAS 77042											
ATTORNEY DOCKET NUMBER:	2100.051100/813191										
NAME OF SUBMITTER:	Terry D. Morgan										
Signature:	/Terry D. Morgan/										
Date:	05/29/2013										

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Total Attachments: 6

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PATENT

REEL: 030505 FRAME: 0476

PATENT

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do(es) hereby:

SELL, ASSIGN AND TRANSFER to ALCATEL-LUCENT U.S.A., INC. (the "Assignee"), a corporation of Delaware, having a place of business at 600 Mountain Avenue, P.O. Box 636, Murray Hill, New Jersey, 07974-0636, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent 13/710,177 filed December 10, 2012 entitled "**METHOD AND APPARATUS FOR SCHEDULING ADAPTIVE BIT RATE STREAM**" such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Signature: *Edward Grinspun* Date: 1/15/2013
EDWARD GRINSHPUN

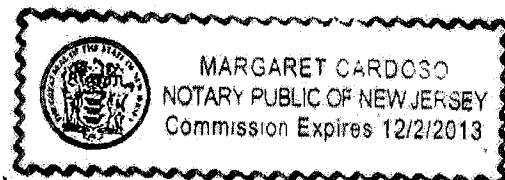
STATE OF New Jersey §
COUNTY OF Union §
§

BEFORE ME, the undersigned authority, on this 15th day of January, 2013, personally appeared EDWARD GRINSHPUN, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

Margaret Cardoso

Notary or Consular Officer

[SEAL]



Signature: _____ Date: _____
 DAVID FAUCHER

STATE OF _____ §
 COUNTY OF _____ §

BEFORE ME, the undersigned authority, on this _____ day of _____, 2013, personally appeared DAVID FAUCHER, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

 Notary or Consular Officer

[SEAL]

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do(es) hereby:

SELL, ASSIGN AND TRANSFER to ALCATEL-LUCENT U.S.A., INC. (the "Assignee"), a corporation of Delaware, having a place of business at 600 Mountain Avenue, P.O. Box 636, Murray Hill, New Jersey, 07974-0636, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent **13/710,177** filed **December 10, 2012** entitled "**METHOD AND APPARATUS FOR SCHEDULING ADAPTIVE BIT RATE STREAM**" such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Signature: _____ Date: _____
EDWARD GRINSHUPUN

STATE OF _____ §
COUNTY OF _____ §

BEFORE ME, the undersigned authority, on this _____ day of _____, 2013, personally appeared EDWARD GRINSHUPUN, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

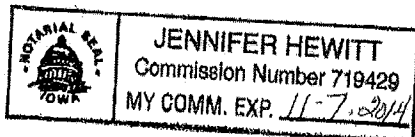
Notary or Consular Officer

[SEAL]

Signature: David Faucher Date: 1-15-13
DAVID FAUCHER

STATE OF IOWA §
COUNTY OF Buttrie §

BEFORE ME, the undersigned authority, on this 15 day of JANUARY, 2013, personally appeared DAVID FAUCHER, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.



Jennifer Hewitt
Notary or Consular Officer

[SEAL]