

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>Mark P Earnshaw</td> <td>12/16/2009</td> </tr> <tr> <td>Mahmoud S Rasras</td> <td>12/16/2009</td> </tr> </tbody> </table>		Name	Execution Date	Mark P Earnshaw	12/16/2009	Mahmoud S Rasras	12/16/2009
Name	Execution Date						
Mark P Earnshaw	12/16/2009						
Mahmoud S Rasras	12/16/2009						
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							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13613715</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13613715		
Property Type	Number						
Application Number:	13613715						
CORRESPONDENCE DATA							
Fax Number:	7325422283						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	7325422280						
Email:	lcrater@walltong.com						
Correspondent Name:	Eamon J. Wall/Wall & Tong, LLP						
Address Line 1:	25 James Way						
Address Line 4:	Eatontown, NEW JERSEY 07724						
ATTORNEY DOCKET NUMBER:	ALU/805842DIV						
NAME OF SUBMITTER:	Eamon J Wall						
Signature:	/EJ Wall/						
Date:	09/30/2013						
Total Attachments: 3 source=ALU_805842DIV_812759_US-DIVeassign#page1.tif source=ALU_805842DIV_812759_US-DIVeassign#page2.tif source=ALU_805842DIV_812759_US-DIVeassign#page3.tif							

OP \$40.00 13613715

ASSIGNMENT AND AGREEMENT

For value received, we, **Mark P. Earnshaw of Morristown in the county of Morris and State of New Jersey and Mahmoud S. Rasras of Berkeley Heights in the county of Union 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 **LOW-COST FAST VARIABLE OPTICAL ATTENUATOR FOR OPTICAL WAVELENGTH TRACKING** 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, 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.



Mark P. Earnshaw

Date: 12/16/09

United States of America)
State of New Jersey) ss.:
County of Union)

On this 16th day of December, 2009, before me personally came **Mark P. Earnshaw**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public

Suzanne R. Sabo
Notary Public - State of NJ
Commission No. 2362056
My Commission Expires 7/12/2012

Mahmoud S. Rasras
Mahmoud S. Rasras

Date: 12/16/2009

United States of America)

State of New Jersey) ss.:

County of Union)

On this 16th day of December, 2009, before me personally came **Mahmoud S. Rasras**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Suzanne R. Sabo
Notary Public

Suzanne R. Sabo
Notary Public - State of NJ
Commission No. 2362056
My Commission Expires 7/12/2012

Alcatel-Lucent USA Inc.
600-700 Mountain Avenue
P. O. Box 636
Murray Hill, New Jersey 07974

ALU_805842 ASSIGNMENT