PATENT ASSIGNMENT

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SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Roland Ryf	10/11/2011

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:	13234475

CORRESPONDENCE DATA

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 215-557-6656

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 amy@mendelip.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: Steve Mendelsohn

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Address Line 2: 1500 John F. Kennedy Blvd., Suite 405

Address Line 4: Philadelphia, PENNSYLVANIA 19102

ATTORNEY DOCKET NUMBER: 809723-US-NP

NAME OF SUBMITTER: Yuri A. Gruzdkov

Total Attachments: 2

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PATENT REEL: 027063 FRAME: 0657 OF \$40.00 13234475

Customer No.: 46850 Attorney Docket No.: 809723-US-NP

ASSIGNMENT AND AGREEMENT

For value received, I, as a below-named inventor:

Roland Ryf of Aberdeen in the County of Monmouth 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 **OPTICAL SYSTEM FOR SIGNAL AMPLIFICATION USING A MULTIMODE FIBER** described in an application for Letters Patent of the United States, identified using the same Attorney Dockel No., 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 I 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.

I 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 me, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

I 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.

I 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.

I 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.

990.0723

PATENT REEL: 027063 FRAME: 0658 Roland Ryf

Date: Obtober 11, 2011

United States of America.

State of New Jersey) ss.:

County of Mannach)

On this _______ day of ______ On this ______day of ______, 20_<u>//</u>, before me personally came *Roland Ryf*, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

Patricia A Tier Notary Public New Jersey My Commission Expires 8/28/2012

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

990.0723

PATENT REEL: 027063 FRAME: 0659

RECORDED: 10/14/2011