

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT2803627

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SAMI MUMTAZ	03/07/2014
GHAYA REKAYA-BEN OTHMAN	03/07/2014
YVES JAOUEN	03/07/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	INSTITUT MINES-TELECOM
<b>Street Address:</b>	46 RUE BARRAULT
<b>City:</b>	PARIS
<b>State/Country:</b>	FRANCE
<b>Postal Code:</b>	75013
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14126816
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(949)760-9502
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	8587074000
<b>Email:</b>	efiling@knobbe.com
<b>Correspondent Name:</b>	KNOBBE MARTENS OLSON & BEAR LLP
<b>Address Line 1:</b>	2040 MAIN STREET
<b>Address Line 2:</b>	14TH FLOOR
<b>Address Line 4:</b>	IRVINE, CALIFORNIA 92614
<b>ATTORNEY DOCKET NUMBER:</b>	BREVA23.002APC
<b>NAME OF SUBMITTER:</b>	PAUL Y. LIU
<b>SIGNATURE:</b>	/ Paul Liu /
<b>DATE SIGNED:</b>	04/07/2014
<b>Total Attachments: 6</b>	
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<b>PATENT</b>	

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Please Direct All Correspondence to Customer Number 20995

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**ASSIGNMENT**

WHEREAS, WE (1) MUMTAZ Sami, a French citizen, residing at 38 rue Pierre de Coubertin 78390 BOIS D'ARCY FRANCE; (2) REKAYA-BEN OTHMAN Ghaya, a French citizen, residing at 2 allée de l'île Verte 92160 ANTONY FRANCE; (3) JAOUEN Yves, a French citizen, residing at 12 rue Hector Guimard 75019 PARIS FRANCE, (individual hereinafter "ASSIGNOR"), invented certain new and useful improvements, technology, inventions, developments, ideas or discoveries related to **SYSTEM FOR TRANSMISSION OVER A MULTI-MODE AND/OR MULTI-CORE OPTICAL FIBER** (collectively hereinafter referred to as the "Work") for which an application for Letters Patent in the United States has been prepared for filing (identified above) with the United States Patent and Trademark Office (hereinafter the "Application");

AND WHEREAS, INSTITUT MINES-TELECOM, with its principal place of business at 46 Rue Barrault 75013 PARIS FRANCE (hereinafter referred to as Assignee) desires to acquire the entire right, title, and interest in and to the said improvements with respect to the United States of America, its territories and possessions.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in the Application and the Work, including all provisional applications relating thereto, and all nonprovisional applications claiming priority thereto, including International Application No. PCT/EP2012/062124 filed on June 22, 2012, French Application No. 11 55537 filed on June 23, 2011, and all divisions, continuations, continuations-in-part, reissues, and reexaminations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals and reissues thereof; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR HEREBY covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any facts known to it respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in the United States of America.

Please Direct All Correspondence to Customer Number 20995

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

This 7 day of March, 2014.



Signature of: MUMTAZ Sami

This \_\_\_ day of \_\_\_\_\_, 20\_\_.

Signature of: REKAYA-BEN  
OTHMAN Ghaya

This \_\_\_ day of \_\_\_\_\_, 20\_\_.

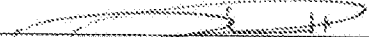
Signature of: JAOUEN Yves

This \_\_\_ day of \_\_\_\_\_, 20\_\_.

Signature of:

This \_\_\_ day of \_\_\_\_\_, 20\_\_.

Signature of:

Witnessed by: 

Printed Name: Ilse Lotte BACHHA

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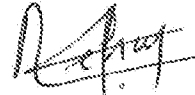
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IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

This \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, \_\_\_\_

Signature of: MUMTAZ Sami

This 7 day of March, 2014, \_\_\_\_



Signature of: REKAYA-BEN  
OTHMAN Ghaya

This \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, \_\_\_\_

Signature of: JAOUEN Yves

This \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, \_\_\_\_

Signature of:

This \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, \_\_\_\_

Signature of:

Witnessed by: 

Printed Name: M. Loff BACHA

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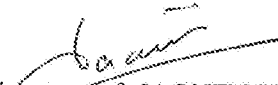
This \_\_\_ day of \_\_\_\_\_, 20\_\_.

Signature of: MUMTAZ Sami

This \_\_\_ day of \_\_\_\_\_, 20\_\_.

Signature of: REKAYA-BEN  
OTHMAN Ghaya

This 7 day of March, 2014.


  
Signature of: JAOUEN Yves

This \_\_\_ day of \_\_\_\_\_, 20\_\_.

Signature of:

This \_\_\_ day of \_\_\_\_\_, 20\_\_.

Signature of:

Witnessed by: 

Printed Name: M. Lotfi BACHA