11/27/2015 503587410

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3634039

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HAO LI	09/23/2015
ALEXANDER RYLYAKOV	09/18/2015
RICHARD YOUNCE	09/21/2015
RAN DING	09/18/2015
PETER MAGILL	09/18/2015
MICHAEL J. HOCHBERG	09/18/2015

RECEIVING PARTY DATA

Name:	CORIANT ADVANCED TECHNOLOGY, LLC
Street Address:	171 MADISON AVENUE, SUITE 1100
City:	NEW YORK
State/Country:	NEW YORK
Postal Code:	10016

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14858321

CORRESPONDENCE DATA

Fax Number: (888)521-1672

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 617-699-9909

Email: Joseph.Milstein@mzwiplaw.com MILSTEIN ZHANG & WU LLC **Correspondent Name:**

Address Line 1: 2000 COMMONWEALTH AVENUE, SUITE 400 Address Line 4: NEWTON, MASSACHUSETTS 02466-2004

ATTORNEY DOCKET NUMBER:	COR-044US
NAME OF SUBMITTER:	JOSEPH B. MILSTEIN
SIGNATURE:	/Joseph B. Milstein/
DATE SIGNED:	11/27/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT REEL: 037150 FRAME: 0208

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Total Attachments: 13 source=COR-044US-DEC-Assignment-ALL-signed#page1.tif source=COR-044US-DEC-Assignment-ALL-signed#page2.tif source=COR-044US-DEC-Assignment-ALL-signed#page3.tif source=COR-044US-DEC-Assignment-ALL-signed#page4.tif source=COR-044US-DEC-Assignment-ALL-signed#page5.tif source=COR-044US-DEC-Assignment-ALL-signed#page6.tif source=COR-044US-DEC-Assignment-ALL-signed#page7.tif source=COR-044US-DEC-Assignment-ALL-signed#page8.tif source=COR-044US-DEC-Assignment-ALL-signed#page9.tif source=COR-044US-DEC-Assignment-ALL-signed#page10.tif source=COR-044US-DEC-Assignment-ALL-signed#page11.tif source=COR-044US-DEC-Assignment-ALL-signed#page12.tif source=COR-044US-DEC-Assignment-ALL-signed#page12.tif

PATENT REEL: 037150 FRAME: 0209

ASSIGNMENT

I, **Hao Li**, believe that I am an inventor of the subject matter disclosed in the application for patent (hereinafter "the invention or inventions") identified herein as

OPTICAL LINK ARCHITECTURE BASED ON WIRELINE EQUALIZATION TECHNIQUES

and further identified by Attorney Docket Number **COR-044US**, which application was filed on **September 18, 2015** and has been assigned U.S. Serial No. **14/858,321** by the United States Patent and Trademark Office.

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to the undersigned, the receipt and sufficiency of which is hereby acknowledged, the undersigned agrees to assign, and hereby does assign, transfer and set over to Coriant Advanced Technology, LLC, having a place of business at 171 Madison Avenue, Suite 1100, New York NY 10016 (hereinafter designated as the Assignee) his or her entire right, title and interest in the invention or inventions as represented by the application for patent identified herein (the 'application") in the United States, its territories, dependencies and possessions, his or her entire right, title, and interest in the application, and his or her entire right, title and interest in the invention or inventions as regards all other national jurisdictions and international entities that have the power to grant patents, wherever situated, including without limitation all applications for patent which claim priority to and/or the benefit of the subject matter disclosed in the application for patent identified herein, including any provisional application, utility application, design application, and/or plant application, as well as any continuation application, divisional application, continuation-in-part application, reissue application, reexamination application, patent interference proceeding, foreign national application and/or any application filed or to be filed under a patent treaty such as the International Convention for Protection of Industrial Property and/or the Patent Cooperation Treaty, and any Letters Patent which may be granted therefor in any jurisdiction.

In addition to the above assignment, the undersigned agrees to execute all papers necessary in connection with the application and any continuing applications, divisional applications, or continuations-in-part thereof, and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agrees to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorizes and requests the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and

PATENT REEL: 037150 FRAME: 0210 Li Assignment

U.S. Serial No. 14/858,321 Filed: September 18, 2015

Attorney Docket No.: COR-044US

hereby covenants that he or she has full right to convey the entire interest herein assigned, and that he or she has not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grants to any duly empowered legal representative, including all patent practitioners associated with Customer Number 130853, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or with the rules of any other national or international Patent Office for recordation of this document or a true copy thereof.

The undersigned hereby states that:

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

In witness whereof, this instrument has been executed by the undersigned on the date opposite the respective name of the undersigned.

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. or (b) a U.S. Consul if outside the U.S.A. If neither is available, then it should be signed before at least two witnesses.

[Signature pages are appended hereto]

Filed: September 18, 2015 Attorney Docket No.: COR-044US			
Date:09/23/2015	Signature: _	Hao Li	(SEAL)
Witness 1:		Witness 2:	
PRINT NAME		PRINT NAME	

Li Assignment

U.S. Serial No. 14/858,321

JOINT ASSIGNMENT

WE, Alexander Rylyakov, Richard Younce, Ran Ding, Peter Magill, Hao Li, and Michael J. Hochberg, believe that we are the inventors of the subject matter disclosed in the application for patent (hereinafter "the invention or inventions") identified herein as

OPTICAL LINK ARCHITECTURE BASED ON WIRELINE EQUALIZATION TECHNIQUES

and further identified by Attorney Docket Number COR-044US.

In consideration of the sum of One Dollar (\$1,00) and other good and valuable consideration paid to each of the undersigned, the receipt and sufficiency of which is hereby acknowledged, each of the undersigned agrees to assign, and hereby does assign, transfer and set over to Coriant Advanced Technology, LLC, having a place of business at 171 Madison Avenue, Suite 1100, New York NY 10016 (hereinafter designated as the Assignee) his or her entire right, title and interest in the invention or inventions as represented by the application for patent identified herein (the 'application") in the United States, its territories, dependencies and possessions, his or her entire right, title, and interest in the application, and his or her entire right, title and interest in the invention or inventions as regards all other national jurisdictions and international entities that have the power to grant patents, wherever situated, including without limitation all applications for patent which claim priority to and/or the benefit of the subject matter disclosed in the application for patent identified herein, including any provisional application, utility application, design application, and/or plant application, as well as any continuation application, divisional application, continuation-in-part application, reissue application, reexamination application, patent interference proceeding, foreign national application and/or any application filed or to be filed under a patent treaty such as the International Convention for Protection of Industrial Property and/or the Patent Cooperation Treaty, and any Letters Patent which may be granted therefor in any jurisdiction.

In addition to the above assignment, each of the undersigned agrees to execute all papers necessary in connection with the application and any continuing applications, divisional applications, or continuations-in-part thereof, and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

Each of the undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

Each of the undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

Each of the undersigned agrees to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

Each of the undersigned hereby authorizes and requests the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he or she has full right to convey the entire interest herein

PATENT REEL: 037150 FRAME: 0213 Joint Assignment

Attorney Docket No.: COR-044US

assigned, and that he or she has not executed and will not execute, any agreement in conflict herewith.

Each of the undersigned hereby grants to any duly empowered legal representative, including all patent practitioners associated with Customer Number 130853, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or with the rules of any other national or international Patent Office for recordation of this document or a true copy thereof.

Each of the undersigned hereby states that:

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both

In witness whereof, this instrument has been executed by the undersigned on the date opposite the respective name of the undersigned.

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. or (b) a U.S. Consul if outside the U.S.A. If neither is available, then it should be signed before at least two witnesses.

[Signature pages are appended hereto]

Date:	_ Signature: _	Alexander Rylyakov	(SEAL)
Witness 1:		Witness 2:	
PRINT NAME		PRINT NAME	
Date:	Signature: _	Richard Younce	(SEAL)
Witness 1:		Witness 2:	
PRINT NAME		PRINT NAME	

Joint Assignment Attorney Docket No.: COR-044US	
Date: 4/18/2015 Signature:	Alexander Bylynkov (SEAL)
	Winness 2: A Lution
PRINT NAME Yarfa'h Mou	PRINT NAME HOLD Santgate
Date: Signature:	Richard Younce (SEAL)
Witness I:	Witness 2:
PRINT NAME	PRINT NAME

Joint Assignment Attorney Docket No.: COR-044US

Date:	Signature:		(SEAL)
***************************************	u uuu	Alexander Rylyakov	
Witness 1:		Witness 2:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
PRINT NAME	mananiiniiv.	PRINT NAME	
Date: 9/21/15	Signature:	Mil Cymr	(SEAL)
		Richard Younge	
Witness 1: Muf-		Witness 2:	
PRINT NAME Julia Lau	101a	PRINT NAME YAJUW	WANG

Date:	Signature: _	Ran Ding	(SEAL)
Witness 1:		Witness 2:	
PRINT NAME		PRINT NAME	
Date:	Signature: _	Peter Magill	(SEAL)
Witness 1:		Witness 2:	
PRINT NAME		PRINT NAME	

Joint Assignment Attorney Docket No.: COR-0441	ÚS		
Date: <u>7//8/20</u> (Signature:	Ran Ding	(SEAL)
Witness 1:		Witness 2:	<u> </u>
PRINT NAME Kuizhi	<u> Shi</u>	PRINT NAME AND D	Swig
Date:	Signature:	Peter Magill	(SEAL)
Witness 1:		Witness 2:	
PRINT NAME		PRINT NAME	

Attorney Docket No.: COR-044US

Joint Assignment

Date:	Signature:Ran Ding	(SEAL)
Witness 1:	Witness 2:	
PRINT NAME	PRINT NAME	
Date:	Signature: Peter Majil Peter Magill	(SEAL)
Witness 1 Wutney Hardin	Witness 2: Angela Santigate	
PRINT NAMEWhitney Hardin	Angela Santig	gate

Date:	Signature: _	Hao Li	(SEAL)
Witness 1:		Witness 2:	
PRINT NAME		PRINT NAME	
Date:	Signature: _	Michael J. Hochberg	(SEAL)
Witness 1:		Witness 2:	
PRINT NAME		PRINT NAME	

Joint	Assignment	
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Attorney Docket No.: COR-044US

Date:	Signature:	Hao Li	(SEAL)
Witness 1:		Witness 2:	
PRINT NAME	······································	PRINT NAME	
Date: 4/18/2015	Signature:	Michael J. Hochberg	(SEAL)
Witness 1:		Witness 2: Willy alo	
PRINT NAME Ar: 1/Vous	<u>k</u>	PRINT NAME AMOULAS	antiquite