PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Chris Xu	12/04/2009
James Van Howe	12/03/2009
Jennifer Lee	12/04/2009

RECEIVING PARTY DATA

Name:	Cornell Research Foundation, Inc.
Street Address:	395 Pine Tree Road, Suite 310
Internal Address:	Cornell Center for Technology, Enterprise & Commercialization
City:	Ithaca
State/Country:	NEW YORK
Postal Code:	14850

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12446619

CORRESPONDENCE DATA

Fax Number: (866)315-4114

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

585-263-1127 Phone:

Email: pknisley@nixonpeabody.com

NIXON PEABODY LLP - PATENT GROUP Correspondent Name:

Address Line 1: 1100 CLINTON SQUARE

Address Line 4: ROCHESTER, NEW YORK 14604-1792

	ATTORNEY DOCKET NUMBER:	19603-5622
ı		

NAME OF SUBMITTER: Patricia Knisley, Paralegal

Total Attachments: 4

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> PATENT REEL: 023613 FRAME: 0735

ASSIGNMENT

WHEREAS, WE, Chris XU, a United States citizen, residing at 5 Estates Drive, Ithaca, New York 14850; James VAN HOWE, a United States citizen, residing at 9 Reynolds Avenue, Apt. 4, Cortland, New York 13045, and Jennifer LEE, a United States citizen, residing at 542 Warren Road, #3, Ithaca, New York 14850 have invented certain new and useful improvements in SYSTEM FOR PRODUCING OPTICAL PULSES OF A DESIRED WAVELENGTH USING CHERENKOV RADIATION for which an application for Letters Patent in the United States or was filed as U.S. Serial No. 12/446,619, based on PCT International Application No. PCT/US2007/082623, filed 26 October 2007;

AND WHEREAS, CORNELL RESEARCH FOUNDATION, INC., with its principal place of business at Cornell Center for Technology, Enterprise & Commercialization ("CCTEC"), 395 Pine Tree Road, Suite 310, Ithaca, New York 14850 USA, is entitled to acquire the entire right, title and interest in and to the said improvements and the said Application:

NOW, THEREFORE, for good and valuable consideration, including salary or payment for the making of inventions, or employee benefits, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said CORNELL RESEARCH FOUNDATION, INC., its successors, legal representatives and assigns, the entire right, title and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals, and continuations 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 applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request 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 Letters Patent for said improvements to the said CORNELL RESEARCH FOUNDATION, INC., its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said CORNELL RESEARCH FOUNDATION, INC., its successors, legal representatives, and assigns, any facts known to us 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 the said CORNELL RESEARCH FOUNDATION, INC., its successors, legal representatives, and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

12633684.1 19603/5622 (CRF D-3964-08)

IN TESTIMONY WHEREOF, I her	reunto set my hand and seal this 4th day of
STATE OF New York COUNTY OF Tompking SS:	Chris Xu
above-named Chris Xu to me personally known as his/her own free will for the purposes therein set for	
ms/ner own nee win for the purposes therein set it	
	Oden Collins
	Notary Public
	Commission expires on Nov. 30 2014.
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	JOHN C. MINER Notary Public, State of New York No. 4514238
	Qualified in Tompkins County Commission expires 11-30-2014
IN TESTIMONY WHEREOF, I he, 2009.	reunto set my hand and seal this day of
	James Van Howe
STATE OF	James van nowe
COUNTY OF SS:	
**************************************	, 2009 before me personally came the
above-named James Van Howe to me personally same of his/her own free will for the purposes ther	known as the individual who executed the
	Notary Public
	Commission expires on
	ereunto set my hand and seal this day of
December, 2009.	0/10
	Jenniker Lee
STATE OF New York COUNTY OF TOMPKINS SS:	*
This 45 day of December	, 2009 before me personally came the
above-named Jennier Lee to me personany know	vn as the individual who executed the same of
his/her own free will for the purposes therein set f	Hin Ollino
	Notary Public
/	Commission expires on Nov. 50, 2019
	IOHN C. MINER Notary Public, State of New York No. 4514238
12633684.1	Qualified in Tompkins County
19603/5622 (CRF D-3964-08)	Commission expires 11-30-2014

PATENT REEL: 023613 FRAME: 0737 7 2616 Leclaire St. 52803.
Daven Port, IA 52803.

ASSIGNMENT

WHEREAS, WE, Chris XU, a United States citizen, residing at 5 Estates Drive, Ithaca, New York 14850; James VAN HOWE, a United States citizen, residing at 9 Reynolds

Avenue, Apt. 4, Cortland, New York 13045, and Jennifer LEE, a United States citizen, residing at 542 Warren Road, #3, Ithaca, New York 14850 have invented certain new and useful improvements in SYSTEM FOR PRODUCING OPTICAL PULSES OF A DESIRED WAVELENGTH USING CHERENKOV RADIATION for which an application for Letters Patent in the United States or was filed as U.S. Serial No. 12/446,619, based on PCT International Application No. PCT/US2007/082623, filed 26 October 2007;

AND WHEREAS, CORNELL RESEARCH FOUNDATION, INC., with its principal place of business at Cornell Center for Technology, Enterprise & Commercialization ("CCTEC"), 395 Pine Tree Road, Suite 310, Ithaca, New York 14850 USA, is entitled to acquire the entire right, title and interest in and to the said improvements and the said Application:

NOW, THEREFORE, for good and valuable consideration, including salary or payment for the making of inventions, or employee benefits, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said CORNELL RESEARCH FOUNDATION, INC., its successors, legal representatives and assigns, the entire right, title and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals, and continuations 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 applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request 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 Letters Patent for said improvements to the said CORNELL RESEARCH FOUNDATION, INC., its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said CORNELL RESEARCH FOUNDATION, INC., its successors, legal representatives, and assigns, any facts known to us 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 the said CORNELL RESEARCH FOUNDATION, INC., its successors, legal representatives, and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

(2633684.1 19603/5622 (CRF D-3964-08)

REEL: 023613 FRAME: 0738

	, 2009.	
STATE OF		Chris Xu
COUNTY OF	SS:	
This	day of	, 2009 before me personally came the
above-named Chris	Xu to me personally ki	nown as the individual who executed the same of
his/her own free will	for the purposes there	in set forth.
		<u> </u>
		Notary Public
		Commission expires on
		·
a IN TE	STIMONY WHEREC	DF I hereunto set mer hand and seal thris Z day
December	, 2009.	DF, I hereunto set my hand and seal this 3 day
		1 May May 19an
	_	James Van Howe
STATE OF L. L.		
STATE OF L_COUNTY OF COUNTY	Islam SS:	
COUNTY OF LOCK	~~~~~~~	heC 2009 before me personally came the
COUNTY OF This	3 day of Decem	abec /, 2009 before me personally came the sonally known as the individual who executed the
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This above-named James same of his/her own	3 day of <u>Decem</u> Van Howe to me pers free will for the purpose alia J. Vogel	sonally known as the individual who executed the ses therein set forth.
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This above-named James same of his/her own	3 day of <u>Decem</u> Van Howe to me pers free will for the purpose alia J. Vogel	sonally known as the individual who executed the ses therein set forth.
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This above-named James same of his/her own	3 day of <u>Decem</u> Van Howe to me pers free will for the purpose alia J. Vogel	sonally known as the individual who executed the ses therein set forth.
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This above-named James same of his/her own the ss 1 Ce	day of Decemination of Decemination of Decemination of Decemination of the purpose of the Decemination of	Notary Public Commission expires on
This above-named James same of his/her own the ss 1 Ce	day of Decemination of Decemination of Decemination of Possession of Decemination of the purpose of the Decemination of the De	Notary Public Commission expires on DF, I hereunto set my hand and seal this day
This above-named James same of his/her own the ss 1 Ce	day of Decemination of Name of Name of Name of Name of Street will for the purpose of the Name of Name	Notary Public Commission expires on Jennifer Lee
This above-named James same of his/her own the ss 1 Ce We ss 2 National IN TE STATE OF COUNTY OF	day of Decemination of Decemin	Notary Public Commission expires on Jennifer Lee , 2009 before me personally came the
This above-named James same of his/her own the ss 1 Ce with the ss 2 Nath the state of the state	day of Decemination of Decemin	Notary Public Commission expires on Jennifer Lee , 2009 before me personally came the ly known as the individual who executed the executed the sees therein set forth. A 3/09 Notary Public Commission expires on Jennifer Lee , 2009 before me personally came the ly known as the individual who executed the same
This above-named James same of his/her own the ss 1 Ce with the ss 2 Nath the state of the state	day of Decement of the purpose of th	Notary Public Commission expires on Jennifer Lee , 2009 before me personally came the ly known as the individual who executed the same in set forth.
This above-named James same of his/her own the ss 1 Ce with the ss 2 Nath the state of the state	day of Decement of the purpose of th	Notary Public Commission expires on Jennifer Lee , 2009 before me personally came the ly known as the individual who executed the executed the search of the same ly known as the individual who executed the same

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RECORDED: 12/07/2009 REEL: 023613 FRAME: 0739