

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3743305

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
XIAOYAN ZENG	07/22/2015
QIANWU HU	07/22/2015
YINLAN ZHENG	07/22/2015
MING JIANG	07/22/2015
CHONGYANG LI	07/22/2015
ZHAO REN	07/22/2015
KUN LI	07/22/2015
RECEIVING PARTY DATA	
Name:	WUHAN NRD LASER ENGINEERING CO., LTD
Street Address:	GUANSHAN II ROAD NO.1 EAST LAKE HIGH-TECH DEVELOPMENT ZONE
Internal Address:	ROOM B302, FLEXTRONICS BUILDING, INTERNATIONAL ENTERPRISE CENTER
City:	WUHAN
State/Country:	CHINA
Postal Code:	470074
Name:	HUAZHONG UNIVERSITY OF SCIENCE AND TECHNOLOGY
Street Address:	NO. 1037, LUOYU ROAD
Internal Address:	HONGSHAN DISTRICT
City:	WUHAN
State/Country:	CHINA
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14765516
CORRESPONDENCE DATA	
Fax Number:	
<i>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.</i>	
Email:	patentdocket@dwt.com
Correspondent Name:	ALLISON K. VAGNER

PATENT

Address Line 1:	1201 THIRD AVENUE
Address Line 2:	SUITE 2200
Address Line 4:	SEATTLE, WASHINGTON 98101

ATTORNEY DOCKET NUMBER:	0099431-008US0
--------------------------------	----------------

NAME OF SUBMITTER:	ALLISON K. VAGNER
---------------------------	-------------------

SIGNATURE:	/Allison K. Vagner, Reg #67,758/
-------------------	----------------------------------

DATE SIGNED:	02/17/2016
---------------------	------------

Total Attachments: 10

source=Assignment for Recordation 0099431-008US0#page1.tif
source=Assignment for Recordation 0099431-008US0#page2.tif
source=Assignment for Recordation 0099431-008US0#page3.tif
source=Assignment for Recordation 0099431-008US0#page4.tif
source=Assignment for Recordation 0099431-008US0#page5.tif
source=Assignment for Recordation 0099431-008US0#page6.tif
source=Assignment for Recordation 0099431-008US0#page7.tif
source=Assignment for Recordation 0099431-008US0#page8.tif
source=Assignment for Recordation 0099431-008US0#page9.tif
source=Assignment for Recordation 0099431-008US0#page10.tif

ASSIGNMENT

WHEREAS we, Xiaoyan Zeng, a citizen of China, residing at No.1037, Luo Yu Road, Hongshan, Wuhan, Hubei 430074 China; Qianwu Hu, a citizen of China, residing at No.1037, Luo Yu Road, Hongshan, Wuhan, Hubei 430074 China; Yinlan Zheng, a citizen of China, residing at No.1037, Luo Yu Road, Hongshan, Wuhan, Hubei 430074 China; Ming Jiang, a citizen of China, residing at No.1037, Luo Yu Road, Hongshan, Wuhan, Hubei 430074 China; Chongyang Li, a citizen of China, residing at No.1037, Luo Yu Road, Hongshan, Wuhan, Hubei 430074 China; Zhao Ren, a citizen of China, residing at No.1037, Luo Yu Road, Hongshan, Wuhan, Hubei 430074 China; and Kun Li, a citizen of China, residing at No.1037, Luo Yu Road, Hongshan, Wuhan, Hubei 430074 China, hereinafter referred to as "ASSIGNORS", have invented certain new and useful improvements in a METHOD AND APPARATUS FOR LASER QUENCHING, the specification of which was filed as International Patent Application No. PCT/CN2013/086691 on November 7, 2013, the national phase of which has been assigned U.S. Patent Application No. 14/765,516 (the "Application"); and

WHEREAS, Wuhan NRD Laser Engineering Co., Ltd, a Chinese corporation with a principal place of business at Room B302, Flextronics building, International Enterprise Center, Guanshan II Road No.1 East Lake High-tech Development Zone, Hongshan, Wuhan, Hubei 470074 China and Huazhong University of Science and Technology, a nonprofit Chinese educational institution with a principal place of business at No.1037, Luoyu Road, Hongshan District, Wuhan, Hubei, China, hereinafter referred to as "ASSIGNEES," are desirous of acquiring the entire right, title and interest in, to and under said invention and the United States Letters Patent to be obtained therefor:

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN:

Be it known that for good and valuable consideration, the receipt of which is hereby acknowledged, the ASSIGNORS hereby declare and confirm that on the date of the Application they did sell, assign, transfer and set over and hereby do sell, assign, transfer and set over unto ASSIGNEES, their successors, legal representatives and assigns, the entire right, title and interest throughout the world in the Application and all provisional applications relating thereto, as well as any improvements made thereto, including any utility (non-provisional) application(s) claiming priority thereto that have been or may hereafter be filed, such filings including 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 applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said improvements in any country together with the right to file such applications and the right to claim for the same the priority rights derived from said registration/application under the local patent laws, of the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventor's certificates and designs which may be

granted for said improvements in any country and all extensions, renewals and reissues thereof;

ASSIGNORS also hereby declare and confirm that they did sell, assign, transfer and set over and hereby do sell, assign, transfer and set over unto ASSIGNEES, their successors, legal representatives and assigns, the entire right, title and interest in any PCT or international application filed for the same invention in, to and under the said improvements in any country or countries foreign to the United States, and all applications for Letters Patent which may evolve therefrom, including the right to claim International Convention priority.

AND ASSIGNORS HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty is to issue patents and other evidence or forms of industrial property protection on registrations/applications as aforesaid, to the same to the said ASSIGNEES, their successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNORS HEREBY covenant and agree that they have full right to convey the entire interest herein assigned, and that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

AND ASSIGNORS HEREBY declare that they did sell, assign, transfer, and convey and hereby do sell, assign, transfer and convey unto ASSIGNEES, their successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of the assignment to ASSIGNEES, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of the said Letters Patent before or after issuance.

AND ASSIGNORS HEREBY covenant and agree that they will communicate to the said ASSIGNEES, their successors, legal representatives and assigns, all pertinent facts and documents relating to said improvements and to said applications, said invention and said Letters Patent as may be known and accessible to ASSIGNORS, and ASSIGNORS will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEES or their legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said applications, including all divisional, continuing and reissue applications, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof. ASSIGNORS also agree to make all rightful oaths and generally do everything possible to aid said ASSIGNEES, their successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

PATENT

Attorney Docket No.: 0099431-008US0

Page 3 of 10

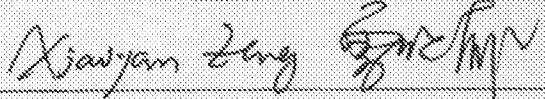
AND ASSIGNORS DO HEREBY authorize and request Davis Wright Tremaine LLP, 1201 Third Avenue, Seattle, WA 98101, United States, to insert hereinabove the application number of the Application when known.

DWT 27267773v1 0099431-008US0

PATENT

REEL: 037756 FRAME: 0784

(1) IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 22 day of
7, 2015



Xiaoyan Zeng



Witness Signature

(2) IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 22 day of
1 2018



Qianwu Hu



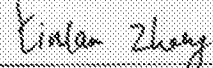
Witness Signature

PATENT

Attorney Docket No.: 0099431-008U50

Page 6 of 10

(3) IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 22 day of
1, 2015.


Yinlan Zheng


Witness Signature

(4) IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 22 day of
1, 2015

Ming Jiang
Ming Jiang

[Signature]
Witness Signature

PATENT

Attorney Docket No.: 0099431-008US0

Page 8 of 10

(5) IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 22 day of
1, 2015

Chongyang Li

Chongyang Li

[Signature]

Witness Signature

(6) IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 20 day of
7, 2015.

Zhao Ren

Zhao Ren

[Signature]

Witness Signature

(7) IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 22 day of
7, 2018

Kun Li
Kun Li

[Signature]
Witness Signature