502790760 05/01/2014

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| HAIFENG SHAN | 04/25/2014 |
| AREF JALLOULI | 04/25/2014 |
| RICHARD MUISENER | 04/29/2014 |

RECEIVING PARTY DATA

| Name: | ESSILOR INTERNATIONAL (COMPAGNIE GENERALE D'OPTIQUE |
|-----------------|-----------------------------------------------------|
| Street Address: | 147 RUE DE PARIS |
| City: | CHARENTON-LE-PONT |
| State/Country: | FRANCE |
| Postal Code: | 94220 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13899802 |

CORRESPONDENCE DATA

Fax Number:

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

US Mail.

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Email: info@ORpatent.com

Correspondent Name: OCCHIUTI & ROHLICEK LLP

Address Line 1: 321 SUMMER STREET

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| ATTORNEY DOCKET NUMBER: | 45201-103001 |
|-------------------------|-----------------|
| NAME OF SUBMITTER: | LISA A. WALSH |
| SIGNATURE: | /Lisa A. Walsh/ |
| DATE SIGNED: | 05/01/2014 |

Total Attachments: 4

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PATENT REEL: 032796 FRAME: 0508

JOINT ASSIGNMENT Attorney Docket No.: 45201-103001

ASSIGNMENT

For valuable consideration, we, Haifeng Shan of 59 Trowbridge Lane, Shrewsbury, MA 01545, Aref Jallouli of 84 Spring Street, Shrewsbury, MA 01545, Rick Muisener of 34, Berta PL, Baskinf Ridge, NJ 07920, hereby assign to Essilor International (Compagnie Generale D'Optique), Charenton-Le-Pont, France, having a place of business at Charenton-Le-Pont, FR 94220, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled PROCESS OF DRILLING ORGANIC GLASSES, filed 5/22/2013, and assigned U.S. Serial Number 13/899,802, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

| Date: | April | 25 | 2014 |
|-------|-------|----|------|
| | | | |

Haifeng Shan

STATE OF <u>Massachusetts</u>) ss

On the State of October 10 State of Sta

WITNESS my hand and official seal.

| CHRISTINA LYNN DEFOCY Notary Public COMMONWEALTH OF MASSACHUSETTS My Commission Expires January 25, 2019 | JOINT ASSIGNMENT Attorney Docket No.: 45201-103001 Notary Public |
|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Date: April 25, 2014 | Aref Jalloul |
| STATE OF Massachusetts) ss. | |
| personally known to me (or proved to me on the | |
| WITNESS my hand and official seal. | |
| CHRISTINA LYNN DEFOCY Notary Public COMMONWEALTH OF MASSACHUSETTS My Commission Expires January 25, 2019 | Notary Public . |
| • | |
| Date: | Rick Muisener |
| STATE OF) | |
| COUNTY OF) | |
| personally known to me (or proved to me on the | , before me, the undersigned, a notary public for there personally appeared Rick Muisener e basis of satisfactory evidence) to be the person who acknowledged having executed the same in e on this Assignment, the person or the entity |

WITNESS my hand and official seal.

upon behalf of which he acted, executed this Assignment.

JOINT ASSIGNMENT Attorney Docket No.: 45201-103001

| | Notary Public |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Date: | Aref Jallouli |
| STATE OF) SS. | |
| On | , before me, the undersigned, a notary public for there personally appeared Aref Jallouli se basis of satisfactory evidence) to be the person who acknowledged having executed the same in re on this Assignment, the person or the entity assignment. |
| | Notary Public |
| Date: April 29, 2014 | Richard Muisener |
| STATE OF New lessey COUNTY OF Passaic ss. | |
| personally known to me (or proved to me on the | , before me, the undersigned, a notary public for there personally appeared Richard Muisener e basis of satisfactory evidence) to be the person who acknowledged having executed the same in e on this Assignment, the person or the entity ssignment. |
| WITNESS my hand and official seal. | JENNIFER L. ROMAGNINO NOTARY PUBLIC OF NEW JERSEY 1.D. # 2223748 My Commission Expires 9/16/2016 |

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REEL: 032796 FRAME: 0511

| Page | 3 | of | 3 |
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JOINT ASSIGNMENT Attorney Docket No.: 45201-103001

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RECORDED: 05/01/2014