

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Minoru Shibuya</td> <td>02/08/2013</td> </tr> <tr> <td>Naoki Yamashita</td> <td>02/12/2013</td> </tr> </tbody> </table>		Name	Execution Date	Minoru Shibuya	02/08/2013	Naoki Yamashita	02/12/2013				
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Minoru Shibuya	02/08/2013										
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Tamron Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>1385 Hasunuma, Minuma-ku, Saitama</td> </tr> <tr> <td>City:</td> <td>Saitama-shi</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>337-8556</td> </tr> </table>		Name:	Tamron Co., Ltd.	Street Address:	1385 Hasunuma, Minuma-ku, Saitama	City:	Saitama-shi	State/Country:	JAPAN	Postal Code:	337-8556
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13727023</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13727023						
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CORRESPONDENCE DATA											
<p>Fax Number: 4129455933 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 412-471-8815</p> <p>Email: assignments@webblaw.com</p> <p>Correspondent Name: THE WEBB LAW FIRM, P.C.</p> <p>Address Line 1: ONE GATEWAY CENTER</p> <p>Address Line 2: 420 FT. DUQUESNE BLVD, SUITE 1200</p> <p>Address Line 4: PITTSBURGH, PENNSYLVANIA 15222</p>											
ATTORNEY DOCKET NUMBER:	5158-123927										
NAME OF SUBMITTER:	Richard L. Byrne										
<p>Total Attachments: 3</p> <p>source=927RECCOVER#page1.tif</p> <p>source=927ASSIGN#page1.tif</p> <p>source=927ASSIGN#page2.tif</p>											

OP \$40.00 13727023

RECORDATION FORM COVER SHEET
PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Minoru SHIBUYA
Naoki YAMASHITA

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) February 8, 2013 & February 12, 2013

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: TAMRON CO., LTD.

Internal Address: _____

Street Address: 1385 Hasunuma, Minuma-ku

Saitama

City: Saitama-shi

State: _____

Country: JAPAN Zip: 337-8556

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

13/727,023

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Russell D. Orkin

Internal Address: The Webb Law Firm

Street Address: One Gateway Center

420 Ft. Duquesne Blvd., Ste 1200

City: Pittsburgh

State: PA Zip: 15222

Phone Number: 412-471-8815

Fax Number: 412-945-5933

Email Address: assignments@webblaw.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☒ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

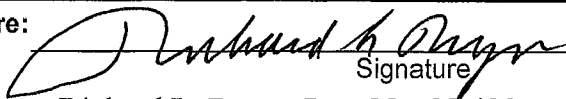
a. Credit Card Last 4 Numbers 4775

Expiration Date 05/2015

b. Deposit Account Number 23-0650

Authorized User Name _____

9. Signature:



Signature

Richard L. Byrne, Reg. No. 28,498

Name of Person Signing

March 15, 2013

Date

Total number of pages including cover sheet, attachments, and documents:

3

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

INTERNATIONAL
Application No. 13/727,023

Attorney Docket No. 5158-123927

ASSIGNMENT

WHEREAS, as a below named inventor, I have invented certain new and useful improvements in

ANTI-REFLECTION COAT AND OPTICAL DEVICE

(Invention Title)

☐ for which I have this day executed an application for a United States Patent (hereinafter "said application").

AND/OR

☒ for which an application for a United States Patent was filed on 12/26/2012 (mm/dd/yyyy) and bears Application Number 13/727,023 (hereinafter "said application").

AND/OR

☐ for which an international patent application was filed under the Patent Cooperation Treaty on _____ (mm/dd/yyyy), bearing Application No. _____ (hereinafter "said application").

AND, WHEREAS, **Tamron Co., Ltd.**, a corporation of **Japan**, having a place of business at **1385 Hasunuma, Minuma-ku, Saitama-shi, Saitama 337-8556, Japan** hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed.

NOW, THEREFORE, for good and valuable consideration paid to me by said assignee, the receipt of which is hereby acknowledged, I as the inventor or as one of the inventors, hereinafter the assignor(s), do hereby assign, sell and transfer unto said assignee the full and exclusive right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals and/or extensions thereof. Such assignment extends to the full ends of the terms of these applications and patents as fully and entirely as the same would have been held and enjoyed by me had this Assignment not been made.

I covenant that I am the lawful owner(s) of said application, inventions and improvements, that the same are unencumbered, that no license has been granted to make, use or vend the said inventions or improvements or any of them, and that I have the full right to make this Assignment.

And for the consideration aforesaid, I agree individually and, if applicable, jointly that I will communicate to said assignee or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request but without expense to me, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, continuation-in-part, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or expedient by said assignee or by counsel for said assignee to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This Assignment shall be binding upon my heirs,

INTERNATIONAL
Application No. 13/727,023
Attorney Docket No. 5158-123927

executors, administrators and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns, as the case may be, of said assignee.

1. FULL NAME OF ASSIGNOR: Minoru SHIBUYA RESIDENCE: Saitama-shi, JAPAN

EXECUTED this 8th day of February, 2013

Minoru Shibuya
SIGNATURE

WITNESS:

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2. FULL NAME OF ASSIGNOR: Naoki YAMASHITA RESIDENCE: Saitama-shi, JAPAN

EXECUTED this 12<sup>th</sup> day of February, 2013

Naoki Yamashita  
SIGNATURE

WITNESS:

\_\_\_\_\_

☐ Checked Box indicates \_\_\_ additional page(s) for inventor signatures.