

PATENT ASSIGNMENT

Electronic Version v1.1
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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>04/13/2012</td> </tr> <tr> <td>Terufusa Kunisada</td> <td>04/13/2012</td> </tr> <tr> <td>Naoki Yamashita</td> <td>04/13/2012</td> </tr> </tbody> </table>		Name	Execution Date	Minoru Shibuya	04/13/2012	Terufusa Kunisada	04/13/2012	Naoki Yamashita	04/13/2012		
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Terufusa Kunisada	04/13/2012										
Naoki Yamashita	04/13/2012										
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>13434111</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13434111						
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Application Number:	13434111										
CORRESPONDENCE DATA											
Fax Number:	(412)945-5933										
Phone:	412-471-8815										
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name:	THE WEBB LAW FIRM, P.C.										
Address Line 1:	ONE GATEWAY CENTER										
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Address Line 4:	PITTSBURGH, PENNSYLVANIA 15222										
ATTORNEY DOCKET NUMBER:	5158-120881										
NAME OF SUBMITTER:	Russell D. Orkin										
Total Attachments: 4 source=RECCOV#page1.tif source=ASSIGN#page1.tif source=ASSIGN#page2.tif source=ASSIGN#page3.tif											

OP \$40.00 13434111

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
Terufusa KUNISADA
Naoki YAMASHITA

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

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

Execution Date(s) April 13, 2012

- | | |
|---|---|
| <input checked="" type="checkbox"/> Assignment | <input type="checkbox"/> Merger |
| <input type="checkbox"/> Security Agreement | <input type="checkbox"/> Change of Name |
| <input type="checkbox"/> Joint Research Agreement | |
| <input type="checkbox"/> Government Interest Assignment | |
| <input type="checkbox"/> Executive Order 9424, Confirmatory License | |
| <input type="checkbox"/> 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)

13/434,111

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

- | |
|--|
| <input checked="" type="checkbox"/> Authorized to be charged by credit card |
| <input type="checkbox"/> Authorized to be charged to deposit account |
| <input type="checkbox"/> Enclosed |
| <input type="checkbox"/> None required (government interest not affecting title) |

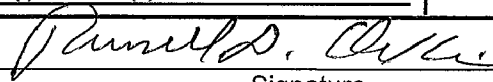
8. Payment Information

a. Credit Card Last 4 Numbers 4775
Expiration Date 05/2012

b. Deposit Account Number 23-0650

Authorized User Name _____

9. Signature:



Signature

April 24, 2012

Date

Russell D. Orkin, Reg. No. 25,363

Name of Person Signing

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

Doc. No.

PATENT
REEL: 028098 FRAME: 0766

INTERNATIONAL
Application No. 13/434,111
Attorney Docket No. 5158-120881

ASSIGNMENT

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

ANTIREFLECTION FILM 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 03/29/2012 (mm/dd/yyyy) and bears Application Number 13/434,111 (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 hereby authorize and request any attorney associated with The Webb Law Firm, Customer No. 28289, to insert here in parentheses (Application No. _____, filed _____) the filing date and application number of said application when known.

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,

INTERNATIONAL
Application No. 13/434,111

Attorney Docket No. 5158-120881

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, 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 13 day of April, 2012

Minoru Shibuya

SIGNATURE

WITNESS:



2. FULL NAME OF ASSIGNOR:
Terufusa KUNISADA

RESIDENCE:
Saitama-shi, JAPAN

EXECUTED this 13 day of April, 2012

Terufusa Kunisada

SIGNATURE

WITNESS:

Checked Box indicates 1 additional page(s) for inventor signatures.

