

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT												
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Toshiharu Shimizu</td> <td>09/03/2010</td> </tr> <tr> <td>Shigehisa Kinugawa</td> <td>09/03/2010</td> </tr> <tr> <td>Shinichi Sugahara</td> <td>09/03/2010</td> </tr> </tbody> </table>		Name	Execution Date	Toshiharu Shimizu	09/03/2010	Shigehisa Kinugawa	09/03/2010	Shinichi Sugahara	09/03/2010				
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<b>RECEIVING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Name:</b></td> <td>Tacmina Corporation</td> </tr> <tr> <td><b>Street Address:</b></td> <td>Kitahama Grand Bldg. 10F</td> </tr> <tr> <td><b>Internal Address:</b></td> <td>2-14, Awajimachi 2-chome, Chuo-ku</td> </tr> <tr> <td><b>City:</b></td> <td>Osaka-shi, Osaka</td> </tr> <tr> <td><b>State/Country:</b></td> <td>JAPAN</td> </tr> <tr> <td><b>Postal Code:</b></td> <td>541-0047</td> </tr> </table>		<b>Name:</b>	Tacmina Corporation	<b>Street Address:</b>	Kitahama Grand Bldg. 10F	<b>Internal Address:</b>	2-14, Awajimachi 2-chome, Chuo-ku	<b>City:</b>	Osaka-shi, Osaka	<b>State/Country:</b>	JAPAN	<b>Postal Code:</b>	541-0047
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<b>PROPERTY NUMBERS Total: 1</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12922256</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12922256								
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<b>CORRESPONDENCE DATA</b>													
<p>Fax Number: (412)945-5933</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 4124718815</p> <p>Email: assignments@webblaw.com</p> <p>Correspondent Name: THE WEBB LAW FIRM</p> <p>Address Line 1: 700 KOPPERS BUILDING</p> <p>Address Line 2: 436 SEVENTH AVENUE</p> <p>Address Line 4: PITTSBURGH, PENNSYLVANIA 15219</p>													
<b>ATTORNEY DOCKET NUMBER:</b>	4605-102824												
<b>NAME OF SUBMITTER:</b>	Richard L. Byrne Reg. No. 28,498												
Total Attachments: 4													

OP \$40.00 12922256

**501288526**

**PATENT**  
**REEL: 024976 FRAME: 0724**

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**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)**

Toshiharu Shimizu  
Shigehisa Kinugawa  
Shinichi Sugahara

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

**2. Name and address of receiving party(ies)**

Name: TACMINA CORPORATION

Internal Address: Kitahama Grand Bldg. 10F

Street Address: 2-14, Awajimachi 2-chome, Chuo-ku

City: Osaka-shi, Osaka

State: \_\_\_\_\_

Country: JAPAN Zip: 541-0047

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

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

Execution Date(s) September 3, 2010

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Joint Research Agreement

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☐ Other \_\_\_\_\_

**4. Application or patent number(s):**

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

A. Patent Application No.(s)

12/922,256

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Richard L. Byrne

Internal Address: The Webb Law Firm

Street Address: 436 Seventh Avenue

700 Koppers Building

City: Pittsburgh

State: PA Zip: 15219

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 05/2012

b. Deposit Account Number 23-0650

Authorized User Name \_\_\_\_\_

**9. Signature:**

  
Signature

September 13, 2010

Date

Richard L. Byrne, Registration No. 28,498

Name of Person Signing

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

4

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.

**ASSIGNMENT**

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

METAL DIAPHRAGM  
(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 09/13/2010 (mm/dd/yyyy) and bears Application Number 12/922,256 (hereinafter "said application").

AND/OR

☒ for which an international patent application was filed under the Patent Cooperation Treaty on 3/13/2009 (mm/dd/yyyy), bearing Application No. PCT/JP2009/054890 (hereinafter "said application").

AND, WHEREAS, TACMINA CORPORATION, a corporation of Japan, having a place of business at Kitahama Grand Bldg. 10F, 2-14, Awajimachi 2-chome, Chuo-ku, Osaka-shi, Osaka 541-0047 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,

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: Toshiharu SHIMIZU RESIDENCE: Hyogo, Japan

EXECUTED this 3rd day of September, 2010

清水敏晴

SIGNATURE

WITNESS:

山本淳也

~~~~~

2. FULL NAME OF ASSIGNOR: Shigehisa KINUGAWA RESIDENCE: Hyogo, Japan

EXECUTED this 3rd day of September, 2010

衣川盛久

SIGNATURE

WITNESS:

山本淳也



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

INTERNATIONAL  
Application No. 12/922,256  
Attorney Docket No. 4605-102824

3. FULL NAME OF ASSIGNOR:  
Shinichi SUGAHARA

RESIDENCE:  
Hyogo, Japan

EXECUTED this 3rd day of September, 2010

Shin-ichi Sugahara  
SIGNATURE

WITNESS:

山本淳也

~~~~~

4. FULL NAME OF ASSIGNOR:

RESIDENCE:

EXECUTED this \_\_\_\_\_ day of \_\_\_\_\_, 2010

\_\_\_\_\_  
SIGNATURE

WITNESS:

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5. FULL NAME OF ASSIGNOR:

RESIDENCE:

EXECUTED this \_\_\_\_\_ day of \_\_\_\_\_, 2010

\_\_\_\_\_  
SIGNATURE

WITNESS: