

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5535254

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HIROKI OSHIMA	05/20/2019
TAKEO SAITOH	05/20/2019
TAKAHIRO NISHIZAKI	05/20/2019
TOMOHISA KAWANAGO	05/20/2019
MASATO SHIRATORI	05/20/2019
KAICHI TSURUTA	05/20/2019
RECEIVING PARTY DATA	
Name:	SENJU METAL INDUSTRY CO., LTD.
Street Address:	23, SENJU-HASHIDO-CHO, ADACHI-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	120-8555
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16419294
CORRESPONDENCE DATA	
Fax Number:	(412)471-4094
<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>	
Phone:	412-471-8815
Email:	assignments@webblaw.com
Correspondent Name:	THE WEBB LAW FIRM, P.C.
Address Line 1:	ONE GATEWAY CENTER
Address Line 2:	420 FT. DUQUESNE BLVD, SUITE 1200
Address Line 4:	PITTSBURGH, PENNSYLVANIA 15222
ATTORNEY DOCKET NUMBER:	7466-1901811
NAME OF SUBMITTER:	RUSSELL D. ORKIN REG. #25363
SIGNATURE:	/Russell D. Orkin/
DATE SIGNED:	05/22/2019

Total Attachments: 7

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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)

Hiroki OSHIMA
Takeo SAITOH Masato SHIRATORI
Takahiro NISHIZAKI Kaichi TSURUTA
Tomohisa KAWANAGO

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

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

Execution Date(s) May 20, 2019

- ☒ 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: Senju Metal Industry Co., Ltd.

Internal Address: _____

Street Address: 23, Senju-Hashido-cho, Adachi-ku

City: Tokyo

State: _____

Country: JAPAN Zip: 120-8555

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

4. Application or patent number(s):

☐ This document serves as an Oath/Declaration (37 CFR 1.63).

A. Patent Application No.(s)

16/419,294

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

Docket Number: 7466 - 1901811

Email Address: assignments@webblaw.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 0

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

8. Payment Information

Deposit Account Number _____

Authorized User Name _____

9. Signature:

/Russell D. Orkin/

May 22, 2019

Signature

Date

Russell D. Orkin

Name of Person Signing

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

7

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

PATENT

REEL: 049253 FRAME: 0326

INTERNATIONAL

Application No. _____

Attorney Docket No. 7466-1901811

ASSIGNMENT

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

SOLDER BALL, SOLDER JOINT, AND JOINING METHOD
(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 _____ (mm/dd/yyyy) and bears Application Number _____ (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, Senju Metal Industry Co., Ltd., a corporation of Japan, having a place of business at 23, Senju-Hashido-cho, Adachi-ku, Tokyo 120-8555, 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, including rights of priority under the International Convention of Paris (1883) as amended, 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. 16/419,294, filed 05/22/2019) 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.

INTERNATIONAL

Application No.

Attorney Docket No. 7466-1901811

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:

RESIDENCE:

Hiroki OSHIMA

Tokyo, Japan

EXECUTED this 20th day of May, 2019

Hiroki Oshima

SIGNATURE

WITNESS:

Hiroki Tarumi

2. FULL NAME OF ASSIGNOR:

RESIDENCE:

Takeo SAITOH

Tochigi, Japan

EXECUTED this 20th day of May, 2019

Takeo SAITOH

SIGNATURE

WITNESS:

Hiroki Tarumi

☒ Checked Box indicates 2 additional page(s) for inventor signatures.

INTERNATIONAL

Application No. _____

Attorney Docket No. 7466-1901811

3. FULL NAME OF ASSIGNOR:
Takahiro NISHIZAKI

RESIDENCE:
California, United States

EXECUTED this 20th day of May, 2019



SIGNATURE

WITNESS:

Hiroki Tarumi

4. FULL NAME OF ASSIGNOR:
Tomohisa KAWANAGO

RESIDENCE:
Tochigi, Japan

EXECUTED this _____ day of _____, 2019

SIGNATURE

WITNESS:

5. FULL NAME OF ASSIGNOR:
Masato SHIRATORI

RESIDENCE:
Tochigi, Japan

EXECUTED this _____ day of _____, 2019

SIGNATURE

WITNESS:

INTERNATIONAL

Application No. _____

Attorney Docket No. 7466-1901811

3. FULL NAME OF ASSIGNOR:

Takahiro NISHIZAKI

RESIDENCE:

California, United States

EXECUTED this _____ day of _____, 2019

SIGNATURE

WITNESS:

4. FULL NAME OF ASSIGNOR:

Tomohisa KAWANAGO

RESIDENCE:

Tochigi, Japan

EXECUTED this 20th day of May, 2019

Tomohisa Kawanago
SIGNATURE

WITNESS:

Hiroki Tarumi

5. FULL NAME OF ASSIGNOR:

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Tochigi, Japan

EXECUTED this 20th day of May, 2019

Masato Shiratori
SIGNATURE

WITNESS:

Hiroki Tarumi

INTERNATIONAL

Application No. _____

Attorney Docket No. 7466-1901811

6. FULL NAME OF ASSIGNOR:

Kaichi TSURUTA

RESIDENCE:

Tochigi, Japan

EXECUTED this 20th day of May, 2019

Kaichi Tsuruta

SIGNATURE

WITNESS:

Hiroki Tsuruta

INTERNATIONAL
Application No. «ptsumm_appserial»
Attorney Docket No. «matter_cltcode»-«matter_matcode»