

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT6828790

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
AYAKA SHIRAKAWA	06/07/2021
HIROSHI SUGII	06/07/2021
ATSUMI TAKAHASHI	06/07/2021
DAISUKE MARUKO	06/07/2021
HIROYOSHI KAWASAKI	11/22/2018
MASATO SHIRATORI	06/07/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SENJU METAL INDUSTRY CO., LTD.
<b>Street Address:</b>	23, SENJU-HASHIDO-CHO
<b>Internal Address:</b>	ADACHI-KU
<b>City:</b>	TOKYO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	1208555
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17286431
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)646-8646
<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>	
<b>Phone:</b>	6176468000
<b>Email:</b>	michael.pomianek@wolfgreenfield.com, danielle.mccarthy@wolfgreenfield.com
<b>Correspondent Name:</b>	WOLF GREENFIELD & SACKS, P.C.
<b>Address Line 1:</b>	600 ATLANTIC AVENUE
<b>Address Line 4:</b>	BOSTON, MASSACHUSETTS 02210
<b>ATTORNEY DOCKET NUMBER:</b>	T0509.70054US00
<b>NAME OF SUBMITTER:</b>	MICHAEL J. POMIANEK
<b>SIGNATURE:</b>	/Michael J. Pomianek/
<b>DATE SIGNED:</b>	07/23/2021

**Total Attachments: 9**

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## ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned Assignor, hereby:

1. Sell, assign and transfer to **SENJU METAL INDUSTRY CO., LTD.**, a Japanese having a place of business at **23, Senju-Hashido-cho., Adachi-ku, Tokyo, 1208555, JAPAN**, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, my entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the International Application filed on **October 21, 2019** under International Application No. **PCT/JP2019/041397**, bearing Attorney Docket No. **T0509.70054US00**, and entitled **FLUX AND SOLDER PASTE**, and in and to the application and all corresponding provisional, non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country, including but not limited to China, Japan and Korea, on any of the inventions and designs; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on the inventions and designs, including the right to apply for patent rights in each foreign country and all rights to priority, including the right to claim priority for China, Japan and Korea; as well as the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent, including a reasonable royalty relating to provisional rights under 35 U.S.C. § 154(d) that have attached to any published United States patent application, on the inventions and designs;
2. Agree that the Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for the inventions and designs in its own name; and when requested, without charge to but at the expense of the Assignee, agree to carry out in good faith the intent and purpose of this Assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all the inventions and designs, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to the Assignee all facts known to me relating to the inventions and designs and the history thereof, and generally by doing everything reasonably possible which the Assignee shall consider desirable for aiding in securing and maintaining proper protection for the inventions and designs and for vesting title to the inventions and designs and all applications for patents and all patents on the inventions and designs, in the Assignee;
3. Request the Director of the United States Patent and Trademark Office and foreign patent authorities to issue the Letters Patent or other intellectual property rights, including foreign patents, to the Assignee;
4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing application identification information or correct any errors in the application identification information provided above, whether discovered prior to or after recordation;

Attorney Docket No. **T0509.70054US00**

5. Covenant with the Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me; and

6. Appoint Assignee, through its designee, my attorney-in-fact to execute, in my name and on my behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

This instrument is executed under seal and signed under the pains and penalties of perjury under the laws of the United States of America.

Attorney Docket No. T0509.70054US00

9130645.1

June 7, 2021  
Date

Ayaka Shirakawa  
Inventor: Ayaka Shirakawa  
Address: c/o SENJU METAL INDUSTRY CO., LTD.  
23, Senju-Hashido-cho, Adachi-ku  
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Citizenship: Japan

Witness:

June 7, 2021  
Date

Hiroki Tarumi  
Signature

Name: Hiroki Tarumi

Address: c/o SENJU METAL INDUSTRY CO., LTD.  
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Witness:

June 7, 2021  
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Kazuhiro Minegishi  
Signature

Name: Kazuhiro Minegishi

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Date

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Name: Hiroki Tarumi  
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Attorney Docket No. T0509.70054US00

June 7, 2021  
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Inventor: Atsumi Takahashi  
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June 7, 2021  
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Kazuhiko Minegishi  
Signature

Name: Kazuhiko Minegishi

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23, Senju-Hashido-cho, Adachi-ku  
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Attorney Docket No. T0509.70054US00



\_\_\_\_\_  
Date

\_\_\_\_\_  
Inventor: Hiroyoshi Kawasaki

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Tokyo

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Citizenship:

Witness:

\_\_\_\_\_  
Date

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Signature

Name: \_\_\_\_\_

Address: \_\_\_\_\_

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Witness:

\_\_\_\_\_  
Date

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Signature

Name: \_\_\_\_\_

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Attorney Docket No. T0509.70054US00

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June 7, 2021  
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Masato Shiratori  
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Witness:

June 7, 2021  
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Hiroki Tarumi  
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Name: Hiroki Tarumi

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Witness:

June 7, 2021  
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Kazuhiro Minegishi  
Signature

Name: Kazuhiro Minegishi




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Attorney Docket No. T0509.70054US00

**Deed of Assignment**

Date of Submission: November 22, 2018

To: Office of Legal Affairs and Intellectual Property

Division Requesting Approval		
Manager	Section Chief	Group Leader
		

Title of Invention: FLUX AND SOLDER PASTE

Reference No.: P3029

Application No.: 2018-201032

Assignee: Senju Hashido-cho 23, Adachi-ku Tokyo, Japan  
SENJU METAL INDUSTRY CO., LTD.







Regarding the creation of the invention, device or design set forth above, the Assignor hereby acknowledges its assignment to the Assignee of the right to obtain patents, registered utility models or registered designs related to this case, or the relevant patents, registered utility models or registered designs derived from this case.

The Assignor declares that the Assignor will certainly sign and/or seal the relevant document(s) as necessary on the occasion of the filing of a foreign application related to this case.

The Assignor further declares that, as and when it is required in order to file a response during the process for obtaining rights, the Assignor will cooperate to prepare a draft response in good time before the due date for filing the response.

Rate of Contribution: 100% for one assignor; in the case of multiple assignors, the rate of contribution shall be determined so that the total of the rates of contribution of all the assignors is 100%.

**Assignors**

Employee No.	Name of Inventor	Name of Inventor in Roman Characters	Signature or Seal	Department	Rate of Contribution to Invention
11282	白川 文香	SHIRAKAWA AYAKA		Flux Manufacturing and Research Section	20%
10998	杉井 拓志	SUGII HIROSHI		Flux Manufacturing and Research Section	16%
10678	高橋 淳美	TAKAHASHI ATSUMI		Flux Manufacturing and Research Section	16%
10442	丸子 大介	MARUKO DAISUKE		Flux Manufacturing and Research Section	16%
10995	川崎 浩由	KAWASAKI HIROYOSHI		Office of Legal Affairs and Intellectual Property	16%
10521	白鳥 正人	SHIRATORI MASATO		Flux Manufacturing and Research Section	16%