## **PATENT ASSIGNMENT COVER SHEET**

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3211039

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
HIDEKI SUZUKI	01/26/2015
TOMOHIRO SASAKI	01/26/2015
MASAE NAGASAWA	01/26/2015
NOBUKI TAKAHASHI	01/26/2015

### **RECEIVING PARTY DATA**

Name:	NIPPON LIGHT METAL COMPANY, LTD.
Street Address:	2-20, HIGASHI-SHINAGAWA
Internal Address:	2-CHOME, SHINAGAWA-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	140-8628

### **PROPERTY NUMBERS Total: 1**

Property Type	Number				
Application Number:	14585731				

### **CORRESPONDENCE DATA**

**Fax Number:** (703)243-6410

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.

**Phone:** 7032436333 **Email:** mail@mwzb.com

Correspondent Name: MILLEN WHITE ZELANO & BRANIGAN, P.C.

Address Line 1: 2200 CLARENDON BOULEVARD

Address Line 2: SUITE 1400

Address Line 4: ARLINGTON, VIRGINIA 22201

ATTORNEY DOCKET NUMBER:	SEIWA-0038-D01
NAME OF SUBMITTER:	LETITIA ALEXANDER
SIGNATURE:	/Letitia Alexander/
DATE SIGNED:	02/04/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT 503164424 REEL: 034882 FRAME: 0700

### **Total Attachments: 4**

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Title of Invention	PRODU	cno		ME ANI			BAT EXC PRODUCI					
As the below nan	*******			*******	************	***************************************	********	*****	**********		***********	
This declaration		The s	ttached ap	plication,	əx							
is directed to:	$\boxtimes$	Unite	d States A	pplication	or FCT L	ntemation	st Applicati	ÎOU D	number <u>14/5</u>	185.7	31 filed o	m 12/39/2014
The above-ideau	fied applic	ation w	/as made o	r authoriza	ed to be n	nade by n	io.					i
I believe that I ar	a the origi	ial inyo	entor or an	original je	oint inven	nor of a c	laimed inve	ntiot	ស្ដេច នៅវ នៅ ន	licati	ou.	
AND WHEREAS hessinafter referrall patent(s) lists including any an-	ed to as the	l-20, H lokyo, e ASSI cludin	g any and a	nagawa, 2- )-8628 desirous o all carlier i	chome, & facquirium minsity ri	g the ead ghts (U.S	n right, tith and foreign	e, sn n), d	d interest in ivisions and	eand loon	to said in Houdons	vention and thereof,
NOW, ASSIGNOR here right, title and he Letters Pethersof, and in as to accuse with reinvention, SAID including any an which may be gright to sue for darking from or a renewals, reissue representatives, i enjoyed the same	oby assigns to rest in on stent which and to say a spect to the ASSKONE deals earlier amages oc ppertaining, recomming as ample	s. sells, of to sal of may b of sil l of filing te, its a of priori corring there of there of there of the	and transi- id inventions granted U.S. (inclu- or securing assigns and ity rights () cluding and before the to, for and a and exter cancilla is	lers to ASS on and pair therefor, it ding provi ag of paten il legal rep U.S. and it ay and all r a sasignor during the assions ther manner to	HONEE, cut(s), inconcluding sional) or is in the freezentative creigu), discussion to the freezent or is cof, for the sill intention	its assign and a say united Stres to have visions as reissues, all the righterms of a say use and a say use a sa	y and all div il renewals, riority and/ ites and/or a c, hold, exer id continuati rexaminations, powers, ny and all # l benefit of 1	repre vision redso for co my c	sentatives, ins and continues, reexamonvention ricountries for and enjoy thereof, and entential fileges and attential fileges and attention for the fileges and attention fileges attention fileges and attention fileges	the eliment minust ights reign said y and y and ms the idvan its a	utire and a ions there for and a or benefit thereto ca invention I all Letter resent, inc respes in a reinding a saigns and	exclusive  xof, and any extensions to accoming or concerning said and patent, as Patent dualing the anywise usy and all d legal
AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNES, its assigns and legal representatives and to execute any other papers that may be needed in connection with securing Letters Patents thereon.												
AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.												
The undersigned hereby grant(s) the law firm of Millan, White, Zalano & Branigan, F.C. the power to insert on this assignment information which may be necessary or desirable in order for the United States Patent and Trademark Office to properly recent this document.												
IN TRATIMONY WHEREOF this assignment is executed by ASSIGNOR												
I hereby acknowledge that any wiliful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.												
LEGAL NAME	OF INVE			************	******************		Date:		Janua	гy	26,2	015
Sionainra		k	Suz	n Dì		***************************************						***************************************
N /NUODOGCCC0000	1 2 2 3 3 3 3	c. 15c. 5	13.1.1	13. P. F.								

Miller, White, Zelano & Branigan, P.C. Attorneys at Law Arlington Courtrouse Plaza 2200 Clarendon Boulevard | Suite 1400 | Arlington V.A. 22201 Telephone: 703,243,6333 | Fax: 703,243,6410 Email: Mail@mwze.com

Effective, September 16, 2012

Title of	ALUMINUM ALLOY FIN MATERIAL FOR HEAT EXCHANGER AND METHOD OF						
Invention	PRODUCTION OF SAME AND METHOD OF PRODUCTION OF HEAT EXCHANGER BY						
	BRAZINO FIN MATERIAL						
As the below nam	ed inventor, I hereby declare that:						
This declaration							
is directed to:	United States Application or PCF International Application number 14/525:731 filed on 12/30/2014						
	fird application was made or authorized to be made by me.						
I believe that I an	n the original inventor or an original joint inventor of a claimed invention in the application.						
hereinafter referr	AND WHERHAS  Nippon Light Metal Company, Ltd. 2-20, Higashi-Shinagawa, 2-chome, Shinagawa-ku Tinkyo, Japan 140-3628  bereinafter referred to as the ASSIGNEE, is desirous of sequiring the sortion right, title, and interest in and to said invention and all patent(s) listed above, including any and all carrier priority rights (U.S. and foreign), divisions and continuations thereof, including any and all renewals, reissues, recraminations and extensions thereof.						
ASSIGNOR here right, title and intend all Letters Per thereof, and in an to accure with reinvention, SAID including any an which may be gright to see for d arising from or a renewals, reissue representatives, i	WITHESETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, shy assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive terest in and to said invention and patent(s), including any and all divisions and continuations thereof, and any ment which may be granted thereofor, including any and all divisions and continuations and extensions and to any and all U.S. (including provisional) or fiveign priority and/or convention rights or benefits according or spect to the filting or securing of patents in the United States and/or any countries foreign thereto concerning said ASSIGNEE, its assigns and logal representatives to have, hold, exercise, and enjoy said invention and patent, d all earlier priority rights (U.S. and foreign), divisions and continuations thereof, say and all Letters Patent anted therefor, including any and all renewals, reissnes, reexaminations and extensions thereof, including the issuages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise apportaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all its, reexaminations and extensions thereof, for the use and benefit of ASSIGNOR might or could have held and e, if the assignment had not been made.						
AND ASSICNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its issigns and logal representatives and to execute any other papers that may be useded in connection with securing Letters Patents thereon.							
AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.							
The undersigned hereby grant(s) the law firm of Millen, White, Zeisso & Branigan, P.C. the power to insert on this assignment information which may be necessary or desirable in order for the United States Patent and Trademark Office to properly record this document.							
	IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR						
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.							
LEGAL NAME	OF INVENTOR						
Inventor:	Tomobiro SASAKI Date: January 26,2015						
Signature:	Tomohiro SASAKI						

Mulien, White, Zelano & Brahigan, P.C.
Attornbys at Law
Arlington Courtbouse Plaza
2200 Clarendon Boulevard | Suite 1400 | Ablington VA 22201
Triephone: 703.743,6333 | Fax: 703.243.6410
Email: Mall@mwzb.com

Effective, September 16, 2017

Title of	ALUMINUM ALLOY FIN MATERIAL FOR HEAT EXCHANGER AND METHOD OF					
Invention	PRODUCTION OF SAME AND METHOD OF PRODUCTION OF HEAT EXCHANGER BY					
	BRAZINO FIN MATERIAL					
As the below man	ed inventor, I beneby declare that:					
This decisration	<u> </u>					
is directed to:	United States Application or PCT International Application number 14/585, 231 filed on 12/20/2014					
The above-identif	fied application was made or authorized to be made by me.					
I believe that I an	a the original inventor or an original joint inventor of a claimed invention in the application.					
AND WHEREAS    Nippen Light Metal Company, Ltd.						
ASSIGNOR here right, title and int and all Letters Pathereof, and in an to accrus with reinvention, SAID including any and which may be garfight to sue for diarising from or a renswals, reissue representatives, i	WITNESSETH that for good and valuable consideration, the receipt whereof is besely acknowledged, by assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and excitaive tests in and to said invention and patent(s), including any and all divisions and continuations thereof, and any stent which may be granted therefor, including any and all resewals, reissues, reexaminations and extensions and to say and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or spect to the filling or securing of patents in the United States and/or any countries foreign thereto concerning said ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and patent, did all earlier priority rights (U.S. and foreign), divisions and continuations thereof, any said all Letters Fatent sated therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the amages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise pretaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all in as ample and beneficial a manner to all intents and purposes as the ASSIGNOE might or could have held and a, if the assignment had not been made.					
AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNER, its assigns and legal representatives and to execute any other papers that may be needed in connection with securing Letters Patents thereon.						
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The undersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, F.C. the power to insert on this assignment information which may be necessary or desirable in order for the United States Patent and Trademark Office to properly record this document.						
	IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR					
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (3) years, or both.						
	OF INVENTOR Messee NAGASAWA Desc: January 26, 2015					
Siguature:	Mosae/ NAGASAWA					

Millen, Whife, Zelano & Branigan, P.C. Attorneys at Law Arliegton Courteouse Plaza 2200 Clarendon Boulevard | Sutie 1400 | Arlington VA 22201 Telephone: 703.243.6333 | Fax: 709.243.6410 Email: Mail@Mw2b.com

Effective. September 16, 2012

Title of	ALUMINUM ALLOY FIN MATERIAL FOR HEAT BXCHANGER AND METHOD OF						
Invention	PRODUCTION OF SAME AND METHOD OF PRODUCTION OF HEAT EXCHANGER BY						
	BRAZINO IN MATERIAL						
As the below nan	ned inventor, I hereby declare that:						
This declaration	The attached application, or						
is directed to:	United States Application or PCF International Application number 14/585.731 filed on 12/30/2014						
	fied application was made or anthorized to be made by me.						
I believe that I an	n the original inventor or an original joint inventor of a claimed invention in the application.						
hereinafter referr ali patent(s) listes	AND WHEREAS  Nippon Light Metal Company, Ltd. 2-20, Higushi-Shinagawa, 2-chome, Shinagawa-ku  Tokyo, Ispan 140-8638  hereinafter referred to as the ASSIGNEB, is desirous of acquising the canice right, title, and interest in and to said invention and all patent(s) listed above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, including any and all renewals, reissues, reexaminations and extensions thereof.						
ASSETNOR here right, title and in and all Letters Princetof, and in at to accure with reinvention, SAID including any an which may be gright to sue for darksing from or a renewals, reissue representatives,	WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, shy assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive terest in and to said invention and patent(s), including any and all divisions and continuations thereof, and any steat which may be granted therefor, including any and all divisions and continuations and extensions at the same and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or spect to the filing or securing of patents in the United States and/or any countries foreign thereto concerning said ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and onjoy said invention and patent, dell earlier priority rights (U.S. and foreign), divisions and continuations thereof, any and all letters Patent anted therefor, including any and all renewals, reissues, recomminations and extensions thereof, including the amages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise prestaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all its, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and e, if the assignment had not been made.						
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	IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR						
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1601 by fine or imprisonment of not more than rive (5) years, or both.							
LEGAL NAME Inventor:	OF INVENTOR Nobuki TAKARASHI Date: January 26,2015						
Signature:	Nobaki Takahashi						

Millen, White, Zelano & Brahigan, P.C. Attornius at Law Arlington Couetrouse Plaza 2200 Clarendon Boulevard | Suite 1400 | Ablington VA 22201 Telephone: 703-243.6333 | Fax: 703-243.6410 Email: Mall@mwze.com

Effective, September 15, 2012

PATENT REEL: 034882 FRAME: 0705

**RECORDED: 02/04/2015**