505758700 11/05/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SATORU SUZUKI	09/04/2019
KAZUHIRO ODA	09/02/2019
KATUMI FUKAYA	09/05/2019

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16606146

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	050083-0591	
NAME OF SUBMITTER:	MONIQUE BLAKEY FOR TOMOKI TANIDA	
SIGNATURE: /Monique Blakey for Tomoki Tanida/		
DATE SIGNED:	11/05/2019	

Total Attachments: 3

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PATENT REEL: 050922 FRAME: 0519

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One inventor(s) (hereinafter, "ASSIGNOR") by (Insert Name(s) & Address(es) of ASSIGNEE(S)	Dollar (\$1.00), and of other good and valuab	le consideration paid to the undersigne
NIPPON LIGHT METAL COMPAN	•	
2 20, Filgasin Simiagawa 2-Chome	e, Shinagawa-ku, Tokyo 140-8628 J	apan
		<u> </u>
(hereinafter, "ASSIGNEE"), the receipt of whice ASSIGNEE the entire and exclusive right, title a (Title of Invention)	h is hereby acknowledged, the undersigned ASSI nd interest to the invention entitled	GNOR hereby sells, assigns and transfers to
Al-Si-Fe-BASED ALUMINUM ALL	OY CASTING MATERIAL AND MET	HOD FOR PRODUCING THE
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relating to International Patent Application PCT executed on even date herewith or, if not so executed on even date herewith or executed on even date here where the even d	/JP2017/015697 and/or for which application uted, was:	for Letters Patent of the United States was
(a) executed on	; (Insert date of execution of app	olication, if not concurrent)
(b) filed on		
Serial No /	Assignee's attorney is here data, when known.	by authorized to insert in (b) the specified
and to said application and all Letters Patent(s) of substitute, reissue or reexamination application bas including any extensions thereof (collectively, her The ASSIGNOR agree(s), when requested by s which the ASSIGNEE may deem necessary, desirincluding in the preparation and prosecution of sai reexamination, or public use proceeding, and in any acts to include but not be limited to executing all p sworn testimony, and obtaining and producing evicence.	seinafter, "said application(s) and Letters Patent(s) and ASSIGNEE and without charge to but at the able or expedient, for securing, maintaining and ed application(s) and the issuance of said Letters Fy litigation or other legal proceeding which may an apapers, including senarate assignments and applications.	e said Lellers Patent(s) may be granted and ""). expense of said ASSIGNEE, to do all acts inforcing protection for said invention, atent(s), in any interference, reissue,
IN WITNESS WHEREOF, the undersigned inv	rentor(s) has (have) affixed his/her/their signature	(s).
1) Satoru Suzuki	Satoru SUZUKI	2019.9.4
(Signature)	(Type Name)	(Date)
2)(Signature)	Kazuhiro ODA	
	(Type Name)	(Date)
(Signature)	Katumi FUKAYA (Type Name)	
4)	(1ype Name)	(Date)
(Signature)	(Type Name)	(Date)
5)	,	(2.00)
(Signature)	(Type Name)	(Date)
(Signature)	(Type Name)	(Date)

PATENT REEL: 050922 FRAME: 0520

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Do inventor(s) (hereinafter, "ASSIGNOR") by (Insert Name(s) & Address(es) of ASSIGNEE(S))	ollar (\$1.00), and of other good and valuabl	e consideration paid to the undersigne
NIPPON LIGHT METAL COMPANY	'ITD'	
2-20, Higashi-shinagawa 2-chome, S	Sninagawa-ku, Tokyo 140-8628 Ja	pan
(hereinafter, "ASSIGNEE"), the receipt of which is ASSIGNEE the entire and exclusive right, title and (Title of Invention)	hereby acknowledged, the undersigned ASSIC interest to the invention entitled	NOR hereby sells, assigns and transfers to
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relating to International Patent Application PCT/JF executed on even date herewith or, if not so executed (a) executed on	ı, was:	
	(Insert date of execution of app	lication, if not concurrent)
(b) filed on		
Serial No/	Assignee's attorney is hereidata, when known.	by authorized to insert in (b) the specified
and to said application and all Letters Patent(s) of the substitute, reissue or reexamination application based including any extensions thereof (collectively, herein The ASSIGNOR agree(s), when requested by said which the ASSIGNEE may deem necessary, desirable including in the preparation and prosecution of said a eexamination, or public use proceeding, and in any linces to include but not be limited to executing all paper worn testimony, and obtaining and producing evidentials.	thereon, for the full term or terms for which the after, "said application(s) and Letters Patent(s). ASSIGNEE and without charge to but at the elector expedient, for securing, maintaining and elepplication(s) and the issuance of said Letters Picigation or other legal proceeding which may are rest. including senarate assignments and dealers.	e said Letters Patent(s) may be granted and "). expense of said ASSIGNEE, to do all acts afforcing protection for said invention, atent(s), in any interference, reissue,
IN WITNESS WHEREOF, the undersigned inventor	or(s) has (have) affixed his/her/their signature	(s).
1)	Satoru SUZUKI	
(Signature)	(Type Name)	(Date)
) Mazulino ODA	Kazuhiro ODA	2019. 9. 7
(Signature)	(Type Name)	(Date)
i)	Katumi FUKAYA	
(Signature)	(Type Name)	(Date)

U.S. ASSIGNMENT

inventor(s) (nereina	TION of the sum of One Doi fter, "ASSIGNOR") by Idress(es) of ASSIGNEE(S))	llar (\$1.00),	and of other good and valuab	le consideration paid to the undersigned
	T METAL COMPANY,	LTD.		
		***************************************	a-ku, Tokyo 140-8628 J	apan
(hereinafter, "ASSIG ASSIGNEE the entire (Title of Invention)	NEE"), the receipt of which is and exclusive right, title and i	hereby acknown the terest to the	wledged, the undersigned ASSI invention entitled	GNOR hereby sells, assigns and transfers to
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(b) filed on		,		
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substitute, reissue or re	examination application based	thereon, for	es granted on said application ar the full term or terms for which pplication(s) and Letters Patent(d any continuation, division, renewal, he said Letters Patent(s) may be granted and s)").
which the ASSIGNEE including in the prepar reexamination, or publ acts to include but not	may deem necessary, desirable ation and prosecution of said a ic use proceeding, and in any li	le or expedien application(s) itigation or others, including	t, for securing, maintaining and and the issuance of said Letters are legal proceeding which may	e expense of said ASSIGNEE, to do all acts enforcing protection for said invention, Patent(s), in any interference, reissue, arise or be declared in relation to same, such trations, taking all rightful oaths, providing
IN WITNESS WHI	EREOF, the undersigned inven	ntor(s) has (ha	ve) affixed his/hcr/their signatu	re(s).
1)			Satoru SUZUKI	
	(Signature)		(Type Name)	(Date)
2)			Kazuhiro ODA	
			(Type Name)	(Date)
3) Katumi	Fukaya		Katumi FUKAYA	Sep 5, 2019
	(Signature)		(Type Name)	(Date)
	(Signature)	-	(Type Name)	(Date)
	(Signature)		(Type Name)	(Date)
6)	(Signature)		(Type Name)	(Date)

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RECORDED: 11/05/2019