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PATENT ASSIGNMENT

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NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
TAKEHIRO TAKAHASHI	09/25/2013
IKUO KIKUCHI	09/25/2013
KENICHIROH MATSUMURA	09/25/2013

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14009377

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Date:	10/03/2013	

Total Attachments: 2

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PATENT REEL: 031342 FRAME: 0568 OF \$40.00 14009377

BIRCH, STEWART, KOLASCH & BIRCH, LLP

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ASSIGNMENT

	Application No. <u>14/009,37</u>	7	Filed October 2, 2013	
Insert Name(s) of Inventor(s)	***(Given Name FAMILY NAME (ALL CAPS))***			
	WHEREAS,Kenichiroh MATSUMURA	Takehiro TAKAHASHI		
		· · · · · · · · · · · · · · · · · · ·		
				_
	(hereinafter designated as th	,	ertain new and useful improvements in	
Insert Title of Invention			AND MANUFACTURING METHOD TH	
		Letters Patent of the United States of ase of a provisional application).	America has been executed by the	
Insert Date of Signing of Application	on September 25, 2013	3	; a	and
Insert Name of Assignee	WHEREAS, NIP	PON STEEL & SUMITOMO MET	CAL CORPORATION	erenesere e
Insert Address of Assignee	6-1, Marunouchi	2-chome, Chiyoda-ku, To	kyo 100-8071 Japan	
CHECK BOX IF APPROPRIATI	desirous of acquiring the ent Letters Patent(s) that may be in any foreign countries.	epresentatives and assigns (hereinaft tire right, title and interest in an dt granted therefor in the United States	o said invention and in and to any	
	paid, the receipt of which is undersigned has (have) sold transfer unto said Assignee America, its territories, depo any and all Letters Patent(s)	sideration of the sum of Ten Dollars (shereby acknowledged, and other good, assigned and transferred, and by the full and exclusive right to the sandencies and possessions and the enwhich may be granted therefor in the dipossessions, and if the box above is	nese presents does sell, assign and id invention in the United States of tire right, title and interest in and to United St ates of America, its	
	and to any and all divisions, term or terms for which the s	reissues, continuations, conversions ame may be granted.	and extensions thereof for the full	

Page 1 of 2

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and als o to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree (s) to execute all papers necessary in connection with any interference which may be declared concerning this app lication or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in

The undersigned hereby grant(s) the law firm of Birch, Ste wart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned he reby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date _	September 25, 2013		Takehiro Takohoshi
Date _	September 25, 2013	Name of Inventor_	signature) takehiro takahashi Akuo Kiikuchi signature) Ikuo KIKUCHI
Date _	September 25, 2013	Name of Inventor_	Kenichuroh Matsumura (signature) Kenichiroh Matsumura
Date _	vol, voliti and analysis of the second secon	Name of Inventor	(signature)
Date .	and the second s	Name of Inventor_	(signature)
Date _		-	(signature)
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June 2002