502892536 07/15/2014

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
TOSHIYUKI NIWA	05/14/2014
NORIYUKI SUZUKI	05/14/2014
SHUNJI HIWATASHI	05/14/2014
SHIN TOYOKAWA	05/14/2014

RECEIVING PARTY DATA

Name:	NIPPON STEEL & SUMITOMO METAL CORPORATION	
Street Address:	dress: 6-1, MARUNOUCHI 2-CHOME, CHIYODA-KU	
City: TOKYO		
State/Country:	tate/Country: JAPAN	
Postal Code: 1008071		

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14372381	

CORRESPONDENCE DATA

Fax Number: (212)425-5288

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Email: seustaquio@kenyon.com **Correspondent Name: KENYON & KENYON LLP**

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ATTORNEY DOCKET NUMBER:	01381/53
NAME OF SUBMITTER:	PATRICK J. BIRDE
SIGNATURE:	/Patrick J. Birde/
DATE SIGNED:	07/15/2014

Total Attachments: 4

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> **PATENT** REEL: 033315 FRAME: 0827 502892536

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PATENT REEL: 033315 FRAME: 0828

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, the undersigned hereby sell, assign, and transfer to NIPPON STEEL & SUMITOMO METAL CORPORATION, a corporation of Japan, having a place of business at 6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8071 Japan ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest in and to any and all inventions and discoveries disclosed in

ANALYZING APPARATUS, ANALYZING METHOD, AND COMPUTER PROGRAM

for which an application for Letters Patent of the United States of America

was filed in the U.S. Patent and Trademark Office on _______ and assigned Patent Application Serial Number _______;

was filed as International Application Number _______ in the _______ in _______ ; or

NOW, THEREFORE, we hereby, without reservations:

is being filed herewith; and

- 1. Assign, transfer, and convey to Assignee the entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries, including all divisional, renewal, substitute, and continuation applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent.
- 2. Authorize Assignee to file patent applications in any or all countries for any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under an International Convention or otherwise.
- 3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct.
- 4. Warrant that we have not conveyed to others any right, title, or interest in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; that we have good right to assign the same to Assignee without encumbrance; and that we are aware of no claim to the contrary.

5. Bind our heirs, legal representatives, and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that said inventions and discoveries, said patent applications, and said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives, or assigns which may be useful for establishing the facts of our conception, disclosure, and reduction to practice of said inventions and discoveries; and to testify to the same in any interference, arbitration, or litigation.

of	IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 14th day May , 20 14
o ₁	Toshiyuki NiWA
	Toshiyuki NIWA
of_	IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this day, 20
	Noriyuki SUZUKI
of_	IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this day, 20
	Shunji HIWATASHI
of_	IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this day, 20
	Shin TOYOKAWA

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, the undersigned hereby sell, assign, and transfer to NIPPON STEEL & SUMITOMO METAL CORPORATION, a corporation of Japan, having a place of business at 6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8071 Japan ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest in and to any and all inventions and discoveries disclosed in

ANALYZING APPARATUS, ANALYZING METHOD, AND COMPUTER PROGRAM

for which an application for Letters Patent of the United States of America

was filed in the U.S. Patent and Trademark Office on _______and assigned Patent Application Serial Number ______;

was filed as International Application Number _______in the _______in the _______; or

NOW, THEREFORE, we hereby, without reservations:

- 1. Assign, transfer, and convey to Assignee the entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries, including all divisional, renewal, substitute, and continuation applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent.
- 2. Authorize Assignee to file patent applications in any or all countries for any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under an International Convention or otherwise.
- 3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct.
- 4. Warrant that we have not conveyed to others any right, title, or interest in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; that we have good right to assign the same to Assignee without encumbrance; and that we are aware of no claim to the contrary.

5. Bind our heirs, legal representatives, and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that said inventions and discoveries, said patent applications, and said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives, or assigns which may be useful for establishing the facts of our conception, disclosure, and reduction to practice of said inventions and discoveries; and to testify to the same in any interference, arbitration, or litigation.

of	IN TESTIMON		WHEREOF, I have hereunto set my hand and seal this day, 20	
			Toshiyuki NIWA	
of_			hereunto set my hand and seal this 14th day	
			Noriyuhi Suzuli Noriyuki SUZUKI	
C	IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 14th day May , 20 14			
or	тау		Shanji Xiwatashi	
	IN TESTIMON	JV WHEREOF I have	Shunji HIWATASHI c hereunto set my hand and seal this 14th day	
of	May		· —— ·	
			Shin Toyokawa Shin TOYOKAWA	