501796021 01/24/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Shiro TORIZUKA	12/27/2011
Eijiro MURAMATSU	12/27/2011
Takafumi KOMATSU	12/27/2011
Hitoshi KOBAYASHI	12/27/2011
Shin-ichi NAGAYAMA	12/27/2011
Mitsuyuki TANAKA	12/27/2011

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PROPERTY NUMBERS Total: 1

Property Type	Number

PATENT REEL: 027583 FRAME: 0338

501796021 REEL: 02758

Application Number: 13320397

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111463

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Total Attachments: 3

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> PATENT REEL: 027583 FRAME: 0339

U.S. ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the adequacy and receipt of which is hereby acknowledged by the undersigned inventor(s) (hereinafter ASSIGNOR) by

(Insert ASSIGNEE's Name(s) Address(es))

NATIONAL INSTITUTE FOR MATERIALS SCIENCE 2-1, Sengen 1-chome, Tsukuba-shi, Ibaraki 305-0047 Japan

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(hereinafter ASSIGNEE), the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of Invention)

"ORIFICE PLATE AND MANUFACTURING METHOD OF THE ORIFICE PLATE"

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

filed on November 14, 2011 Application No. 13/320,397

(Westerman, Hattori, Daniels & Adrian, LLP is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefore on said application or any continuation, divisional, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with the application and any continuation, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional, reissue or reexamination thereof or Letters Patent 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, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

	-	
Shito Torizuka	Shiro TORIZUKA	December 27, 2011
(Signature)	(Type Name)	(Date)
Eijiro Huramatsa	Eijiro MURAMATSU	
(Signature)	(Type Name)	(Date)
	Takafumi KOMATSU	
(Signature)	(Type Name)	(Date)
	Hitoshi KOBAYASHI	
(Signature)	(Type Name)	(Date)
	Shin-ichi NAGAYAMA	
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	Mitsuyuki TANAKA	
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PATENT REEL: 027583 FRAME: 0340

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(Signatures)

	Shiro TORIZUKA	
(Signature)	(Type Name)	(Date)
	Eijiro MURAMATSU	
(Signature)	(Type Name)	(Date)
Spofuni domatar	Takafumi KOMATSU	December 27, 2011
(Signature)	(Type Name)	(Date)
Mitoshi kobazashi	Hitoshi KOBAYASHI	December 27, 2011
(Signature)	(Type Name)	(Date)
	Shin-ichi NAGAYAMA	
(Signature)	(Type Name)	(Date)
	Mitsuyuki TANAKA	
(Signature)	(Type Name)	(Date)

PATENT REEL: 027583 FRAME: 0341

U.S. ASSIGNMENT

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(Signature)	(Type Name)	(Date)
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(Signature)	(Type Name)	(Date)
	Hitoshi KOBAYASHI	
(Signature)	(Type Name)	(Date)
Shich naugen	Shin-ichi NAGAYAMA	December 27, 2011
(Signature)	(Type Name)	(Date)
An the tamet he	Mitsuyuki TANAKA	December 27, 2011
(Signature)	(Type Name)	(Date)
/		

PATENT REEL: 027583 FRAME: 0342

Attorney Docket No.: 111463

RECORDED: 01/24/2012