502206642 01/24/2013

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Tatsuto NAGAYASU	11/30/2012
Takashi KAMIJO	11/30/2012
Masayuki INUI	11/30/2012
Tsuyoshi OISHI	11/30/2012
Hiromitsu NAGAYASU	11/30/2012
Hiroshi TANAKA	11/30/2012
Takuya HIRATA	11/30/2012
Tatsuya TSUJIUCHI	11/30/2012
Susumu OKINO	11/30/2012
Naoyuki KAMIYAMA	11/30/2012
Seiji YOSHIHARA	11/30/2012

RECEIVING PARTY DATA

Name:	Mitsubishi Heavy Industries, Ltd.	
Street Address:	16-5, Konan 2-chome, Minato-ku	
City:	Tokyo	
State/Country:	JAPAN	
Postal Code:	108-8215	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13700878

CORRESPONDENCE DATA

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PATENT

REEL: 029689 FRAME: 0344

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Address Line 1: 1250 Connecticut Ave, NW Address Line 2: Suite 700 Washington, DISTRICT OF COLUMBIA 20036 Address Line 4: ATTORNEY DOCKET NUMBER: 121420 NAME OF SUBMITTER: Thomas E. Brown Total Attachments: 6 source=121420 Assignment#page1.tif source=121420 Assignment#page2.tif source=121420 Assignment#page3.tif source=121420 Assignment#page4.tif source=121420 Assignment#page5.tif source=121420 Assignment#page6.tif

> PATENT REEL: 029689 FRAME: 0345

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$ inventor(s) (hereinafter, "ASSIGNOR") by (Insert Name(s) & Address(es) of ASSIGNEE(S)) MITSUBISHI HEAVY INDUSTRIES, LTD.	1.00), and of other good and valuab	le consideration paid to the undersigned
16-5, Konan 2-chome, Minato-ku, Tokyo 108	-8215 Japan	
(hereinafter, "ASSIGNEE"), the receipt of which is hereby ASSIGNEE the entire and exclusive right, title and interes (Title of Invention)		GNOR hereby sells, assigns and transfers to
AIR POLLUTION CONTROL SYSTEM A	AND METHOD	
relating to International Patent Application PCT/JP2011/ executed on even date herewith or, if not so executed, was		or Letters Patent of the United States was
(a) executed on;	(Insert date of execution of ap	olication, if not concurrent)
(b) filed on <u>November 29,2012</u> Serial No. <u>13/700,878</u> ;		by authorized to insert in (b) the specified
and to said application and all Letters Patent(s) of the Unit substitute, reissue or reexamination application based there including any extensions thereof (collectively, hereinafter, The ASSIGNOR agree(s), when requested by said ASS which the ASSIGNEE may deem necessary, desirable or e	on, for the full term or terms for which "said application(s) and Letters Patents IGNEE and without charge to but at the	the said Letters Patent(s) may be granted and (s)"). e expense of said ASSIGNEE, to do all acts
including in the preparation and prosecution of said applic reexamination, or public use proceeding, and in any litigati acts to include but not be limited to executing all papers, in sworn testimony, and obtaining and producing evidence.	on or other legal proceeding which may	arise or be declared in relation to same, such
IN WITNESS WHEREOF, the undersigned inventor(s)	has (have) affixed his/her/their signatu	re(s).
1) Tatsuto Vagayasu (Signature)	Tatsuto NAGAYASU	November 30,2012 (Date)
(Signature)	(Type Name)	
2) Tabarh: tamin	Takashi KAMIJO	November 30,2012
(Signature)	(Type Name)	(Date)
3)	Masayuki INUI	
(Signature)	(Type Name)	(Date)
4) Isnjoch Oish	Tsuyoshi OISHI	November 30,2012
(Signature)	(Type Name)	(Date)
5)	Hiromitsu NAGAYASU	
(Signature)	(Type Name)	(Date)

6)		Hiroshi TANAKA	
·)	(Signature)	(Type Name)	(Date)
7)		Takuya HIRATA	
,	(Signature)	(Type Name)	(Date)
8)		Tatsuya TSUJIUCHI	
	(Signature)	(Type Name)	(Date)
9)		Susumu OKINO	
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10)		Naoyuki KAMIYAMA	
	(Signature)	(Type Name)	(Date)
11)		Seiji YOSHIHARA	
,	(Signature)	(Type Name)	(Date)

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Do inventor(s) (hereinafter, "ASSIGNOR") by (Insert Name(s) & Address(es) of ASSIGNEE(S)) MITSUBISHI HEAVY INDUSTRIES,		and of other good and valuab	le consideration paid to the undersigned
16-5, Konan 2-chome, Minato-ku, Toky	o 108-8215	Japan	
(hereinafter, "ASSIGNEE"), the receipt of which is ASSIGNEE the entire and exclusive right, title and (Title of Invention)			GNOR hereby sells, assigns and transfers to
AIR POLLUTION CONTROL SYST	EM AND I	METHOD	
relating to International Patent Application PCT/JI executed on even date herewith or, if not so execut	P2011/06286 ed, was:	9 and/or for which application	or Letters Patent of the United States was
(a) executed on	;	(Insert date of execution of ap	plication, if not concurrent)
(b) filed on November 29,201 Serial No. 13/700,878		Assignee's attorney is her data, when known.	eby authorized to insert in (b) the specified
and to said application and all Letters Patent(s) of t substitute, reissue or reexamination application base including any extensions thereof (collectively, here	ed thereon, for	the full term or terms for which	the said Letters Patent(s) may be granted and
The ASSIGNOR agree(s), when requested by si which the ASSIGNEE may deem necessary, desira including in the preparation and prosecution of saic reexamination, or public use proceeding, and in any acts to include but not be limited to executing all pa sworn testimony, and obtaining and producing evice	ble or expedie d application(s r litigation or o apers, includin	nt, for securing, maintaining and) and the issuance of said Letter ther legal proceeding which may	d enforcing protection for said invention, s Patent(s), in any interference, reissue, a arise or be declared in relation to same, such
IN WITNESS WHEREOF, the undersigned inv	entor(s) has (h	ave) affixed his/her/their signat	иге(s).
1)	7	Tatsuto NAGAYASU	
1)(Signature)		(Type Name)	(Date)
2)		Takashi KAMIJO	
(Signature)	_	(Type Name)	(Date)
3) Masayuki Inui		Masayuki INUI	November 30,2012
(Signature)		(Type Name)	(Date)
4)		Tsuyoshi OISHI	
(Signature)		(Type Name)	(Date)
5)	ı	Hiromitsu NAGAYASU	
(Signature)	_	(Type Name)	(Date)

6)	Hiroshi TANAKA	
(Signature)	(Type Name)	(Date)
7)	Takuya HIRATA	
(Signature)	(Type Name)	(Date)
8) Tasy Tsuy (Signature)	Tatsuya TSUJIUCHI (Type Name)	November 30,2012
9)	Susumu OKINO	
(Signature)	(Type Name)	(Date)
10)	Naoyuki KAMIYAMA	
(Signature)	(Type Name)	(Date)
11)	Seiji YOSHIHARA	
(Signature)	(Type Name)	(Date)

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar inventor(s) (hereinafter, "ASSIGNOR") by (Insert Name(s) & Address(es) of ASSIGNEE(S)) MITSUBISHI HEAVY INDUSTRIES, LTI	. ,	d and valuable	consideration paid to the undersigned
16-5, Konan 2-chome, Minato-ku, Tokyo 1	08-8215 Japan		
(hereinafter, "ASSIGNEE"), the receipt of which is here. ASSIGNEE the entire and exclusive right, title and interest of Invention)	erest to the invention entitled	•	NOR hereby sells, assigns and transfers to
AIR POLLUTION CONTROL SYSTEM	AND METHOD		
relating to International Patent Application <u>PCT/JP20</u> executed on even date herewith or, if not so executed,		application for	Letters Patent of the United States was
(a) executed on	; (Insert date of ex	xecution of appl	ication, if not concurrent)
(b) filed on November 29, 2012 Serial No. 13 / 700, 878 ;			y authorized to insert in (b) the specified
and to said application and all Letters Patent(s) of the Usubstitute, reissue or reexamination application based the including any extensions thereof (collectively, hereinand The ASSIGNOR agree(s), when requested by said which the ASSIGNEE may deem necessary, desirable including in the preparation and prosecution of said appreexamination, or public use proceeding, and in any litter that is a said to be a said appreexamination.	ereon, for the full term or ter- ter, "said application(s) and land assignment and without char- prespection, for securing, molication(s) and the issuance gation or other legal proceeding	ms for which the Letters Patent(s) ge to but at the caintaining and e of said Letters F ng which may as	e said Letters 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, rise or be declared in relation to same, such
acts to include but not be limited to executing all paper sworn testimony, and obtaining and producing evidence IN WITNESS WHEREOF, the undersigned inventor	e.		
1)	Tatsuto NAGAY	⁄ASU	
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2)	Takashi KAN	MIJO	
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3)	Masayuki IN		
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5) Hironten hagayasır	Hiromitsu NAGA	AYASU	November 30,2012
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6) Hiroshi Tanaka (Signature) Takuja Hirota	Hiroshi TANAKA (Type Name) Takuya HIRATA	November 30,2012 (Date) November 30,2012
(Signature)	(Type Name)	(Date)
8)(Signature)	Tatsuya TSUJIUCHI (Type Name)	(Date)
9) Sesum Oko	Susumu OKINO	November 30,2012
(Signature)	(Type Name)	(Date)
10) Rasyuki Kameyama	Naoyuki KAMIYAMA	November 30,2012
(Signature)	(Type Name)	(Date)
11) Leiji Yoshihara	Seiji YOSHIHARA	November 30,2012
(Signature)	(Type Name)	(Date)