PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2826249

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MASAMUNE OKAMOTO	02/24/2014
HIDEAKI IMURA	02/24/2014
NAOTO TAKADA	02/24/2014
TATSUYA HAYASAKA	02/24/2014

RECEIVING PARTY DATA

Name:	CENTRAL GLASS COMPANY, LIMITED
Street Address:	5253, OAZA OKIUBE
City:	UBE-SHI, YAMAGUCHI
State/Country:	JAPAN
Postal Code:	755-0001

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14353608

CORRESPONDENCE DATA

Fax Number: (202)628-8844

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via

US Mail.

Phone: 202-624-2500

Email: lbuckler@crowell.com

Correspondent Name: CROWELL & MORING LLP

Address Line 1: 1001 PENNSYLVANIA AVENUE, NW

Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20004

ATTORNEY DOCKET NUMBER:	038788.66431US
NAME OF SUBMITTER:	MICHAEL H. JACOBS
SIGNATURE:	/Michael H. Jacobs/
DATE SIGNED:	04/23/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

source=66431US-Assignment_Declaration#page1.tif source=66431US-Assignment Declaration#page2.tif

PATENT REEL: 032739 FRAME: 0411 502779654

source=66431US-Assignment_Declaration#page3.tif source=66431US-Assignment_Declaration#page4.tif

PATENT REEL: 032739 FRAME: 0412

Attorney Docket No.:	U.S. Right	ts
ASSIGNMENT A	ND DECLARATION UNDER 37 C.F.R. 1.63	3
Title of Invention: METHOD FOR PRO	OUCING (E)-1-CHLORO-3,3,3-TRIFLUOROPROPENE	
This assignment and declaration the attached application the application identifies	n are directed to (check one):	
October 3, 2012,	ASSIGNMENT	
For good and valuable consid- below named inventor I have s	eration, the receipt and sufficiency of which are hereby acknowledged, as all and assigned, and by these presents hereby sell and assign, unto:	a
Name of Assignee: CEN	TRAL GLASS COMPANY, LIMITED	
•	, Oaza Okiube, Ube-shi aguchi 755-0001 Japan	
the above-identified invention an thereof, and in and to any and all said invention, including any and successors or assigns to the full	right, title and interest for the United States, its territories and possessions in and to durited States patent application, including any and all divisions or continuations. Letters Patent of the United States which may issue on any such application or for all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its and of the term or terms for which any and all such Letters Patent may be granted to been held and enjoyed by me had this Assignment not been made.	S T
I hereby authorize and request the Letters Patent to said ASSIGNER	the Director of the U.S. Patent and Trademark Office to issue any and all such a tis successors or assigns in accordance herewith.	l
I warrant and covenant that I have assigned and that I have not execute.	e the full and unencumbered right to sell and assign the interests herein sold and attended and will not execute any document or instrument in conflict herewith.	[
I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors or assigns, or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention.		
DECLARATION		
As a below named inventor, I here	by declare that:	
The above-identified application v	as made or authorized to be made by me.	
I believe that I am the original inv	entor or an original joint inventor of a claimed invention in the application.	
I hereby acknowledge that any wi by fine or imprisonment of not mo	llful false statement made in this declaration is punishable under 18 U.S.C. 1001 re than five (5) years, or both.	
Signature: Inventor:	pasamune OKAMOTO DATE	Z .

Attorney Docket No.:	U.S. Rig	hts
ASSIGNMEN	T AND DECLARATION UNDER 37 C.F.R. 1.0	53
Title of Invention: METHOD FOR	PRODUCING (E)-1-CHLORO-3,3,3-TRIFLUOROPROPENE	
This assignment and dec	laration are directed to (check one):	
	ASSIGNMENT	
For good and valuable of below named inventor I is	consideration, the receipt and sufficiency of which are hereby acknowledged, as ave sold and assigned, and by these presents hereby sell and assign, unto:	s a
Name of Assignee:	CENTRAL GLASS COMPANY, LIMITED	
Address of Assignee:	5253, Oaza Okiube, Ube-shi Yamaguchi 755-0001 Japan	
the above-identified invent thereof, and in and to any a said invention, including a successors or assigns to th	Il my right, title and interest for the United States, its territories and possessions in and ion and United States patent application, including any and all divisions or continuation and all Letters Patent of the United States which may issue on any such application or may and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, a full end of the term or terms for which any and all such Letters Patent may be grantiald have been held and enjoyed by me had this Assignment not been made.	ns for its
I hereby authorize and rec Letters Patent to said ASSI	uest the Director of the U.S. Patent and Trademark Office to issue any and all su GNEE, its successors or assigns in accordance herewith.	ch
warrant and covenant that signed and that I have no	t I have the full and unencumbered right to sell and assign the interests herein sold at executed and will not execute any document or instrument in conflict herewith.	nd
ssigns all information knowlediver any papers, make leemed necessary or desirated invention, to said apply which may be granted them assigns, or to assist said A	the that I will communicate to said ASSIGNEE, its successors, legal representatives own to me relating to said invention or patent application and that I will execute an all rightful oaths, testify in any legal proceedings and perform all other lawful ach ble by said ASSIGNEE, its successors, legal representatives or assigns to perfect title ideation including divisions and continuations thereof and to any and all Letters Pater of the continuation of the results of the continuation, in said ASSIGNEE, its successors of assigns in obtaining, reissuing the United States for said invention.	nd ets to nt or
	<u>DECLARATION</u>	
s a below named inventor	I hereby declare that:	
he above-identified applic	ation was made or authorized to be made by me.	
believe that I am the origin	al inventor or an original joint inventor of a claimed invention in the application	

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Signature: Inventor:

Attorney Docket No.: U.S. Rights
ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. 1.63
Title of Invention: METHOD FOR PRODUCING (E)-1-CHLORO-3,3,3-TRIFLUOROPROPENE
This assignment and declaration are directed to (check one): the attached application; the application identified by the attorney docket no. and title of invention given above; United States Application or PCT International Application No.

As a below named inventor, I hereby declare that:

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001

by fine or imprisonment of not more than five (5) years, or both.

Signature; Inventor:

Naoto TAKADA

2-24-2014 DATE

Attorney	Docket N	lo.:
	MODELLE 1	

October 3, 2012,

U.S. Rights

ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. 1.63

Title o	f Invention:
	METHOD FOR PRODUCING (E)-1-CHLORO-3,3,3-TRIFLUOROPROPENE
This as	ssignment and declaration are directed to (check one):
	the attached application;
	the application identified by the attorney docket no. and title of invention given above;
\boxtimes	United States Application or PCT International Application No. PCT/IP2012/075605, filed

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a below named inventor I have sold and assigned, and by these presents hereby sell and assign, unto:

Name of Assignee:

CENTRAL GLASS COMPANY, LIMITED

Address of Assignee:

5253, Oaza Oklube, Ube-shi Yamaguchi 755-0001 Japan

(hereinafter ASSIGNEE) all my right, title and interest for the United States, its territories and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.

I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith.

I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.

I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors or assigns, or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention.

DECLARATION

As a below named inventor, I hereby declare that:

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Signature: Inventor:

Jatanya Hayasaka 02/24/2014
Tatsuya HAYASAKA

Page 1 of 1

PATENT

REEL: 032739 FRAME: 0416