PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3176909

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SATORU OKAMOTO	10/03/2014
SATOSHI YOSHIKAWA	10/03/2014
FUYUHIKO SAKYU	10/02/2014

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:	14413907

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

using a fax number, if provided; 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, D.C. 20004

ATTORNEY DOCKET NUMBER:	038788.67113US
NAME OF SUBMITTER:	MICHAEL H. JACOBS
SIGNATURE:	/Michael H. Jacobs/
DATE SIGNED:	01/09/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

source=67113US-Assignment_Declaration#page1.tif source=67113US-Assignment_Declaration#page2.tif source=67113US-Assignment_Declaration#page3.tif

PATENT 503130299 REEL: 034674 FRAME: 0844

Attorney Docket No.:		U.S	. Rights
ASSIGNMENT AND DECLARATION UNDE	R 37 C.	F.R.	1.63

Title of Invention:

METHOD FOR SEPARATING 1-CHLORO-3,3,3-TRIFLUOROPROPENE AND HYDROGEN FLUORIDE, AND METHOD FOR PRODUCING 1-CHLORO-3,3,3-TRIFLUOROPROPENE BY USING SAME

This a:	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/JP2013/068500,
	filed <u>July 5, 2013</u> ,

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 Okiube, 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:

Sateru OKAMOTO

10/03/2014 DATE

Attorney Docket No.:	U.S. Rights
ASSIGNMEN	T AND DECLARATION UNDER 37 C.F.R. 1.63
Title of Invention:	
METHOD FOR SEPAN FLUORIDE, AND ME USING SAME	RATING 1-CHLORO-3,3,3-TRIFLUOROPROPENE AND HYDROGEN THOD FOR PRODUCING 1-CHLORO-3,3,3-TRIFLUOROPROPENE BY
the attached applied the application ide	entified by the attorney docket no. and title of invention given above; olication or PCT International Application No. PCT/JP2013/068500.
	ASSIGNMENT
For good and valuable of below named inventor I had	consideration, the receipt and sufficiency of which are hereby acknowledged, as a nave sold and assigned, and by these presents hereby sell and assign, unto:
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 the	all my right, title and interest for the United States, its territories and possessions in and to the ion and United States patent application, including any and all divisions or continuations and all Letters Patent of the United States which may issue on any such application or for any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its efull end of the term or terms for which any and all such Letters Patent may be granted ald have been held and enjoyed by me had this Assignment not been made.
I hereby authorize and red Letters Patent to said ASSI	quest the Director of the U.S. Patent and Trademark Office to issue any and all such GNEE, its successors or assigns in accordance herewith.
I warrant and covenant that assigned and that I have not	t I have the full and unencumbered right to sell and assign the interests herein sold and t executed and will not execute any document or instrument in conflict herewith.
assigns all information kno deliver any papers, make deemed necessary or desira said invention, to said appl which may be granted there assigns, or to assist said A	the United States for said invention.
•	DECLARATION

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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:

Satoshi YOSHIKAWA

DATE

Attornare	Thoologt	Ma .	
Attorney	LJOCKET	No.:	

U.S. Rights

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

Title of Invention:

METHOD FOR SEPARATING 1-CHLORO-3,3,3-TRIFLUOROPROPENE AND HYDROGEN FLUORIDE, AND METHOD FOR PRODUCING 1-CHLORO-3,3,3-TRIFLUOROPROPENE BY **USING SAME**

This assignmen	t and	declaration	are	directed	to	check	one):	•

	the	attached	app	olicatio	on;
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the application identified by the attorney docket no. and title of invention given above;

United States Application or PCT International Application No. PCT/IP2013/068500,

filed July 5, 2013.

ASSIGNMENT

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CENTRAL GLASS COMPANY, LIMITED

Address of Assignee:

5253, Oaza Okiube, 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.

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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:

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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:

Fuyuhiko Kakyu 10/2/2014

Fuyuhiko SAKYU

DATE

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