503638978 01/07/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:NEW ASSIGNMENTNATURE OF CONVEYANCE:ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TAKEHIRO CHAKI	04/17/2015
KAZUHIRO TAKAHASHI	04/27/2015
TATSUYA TAKAKUWA	04/28/2015

RECEIVING PARTY DATA

Name:	DAIKIN INDUSTRIES, LTD.	
Street Address:	UMEDA CENTER BUILDING, 4-12, NAKAZAKI-NISHI 2-CHOME, KITA-KU, OSAKA-SHI	
City:	OSAKA	
State/Country:	JAPAN	
Postal Code:	530-8323	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14903411

CORRESPONDENCE DATA

Fax Number: (202)721-8250

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: 202-721-8200

Email: wlp@wenderoth.com

Correspondent Name: WENDEROTH, LIND & PONACK, L.L.P.

Address Line 1: 1030 15TH STREET, NW

Address Line 2: SUITE 400 EAST

Address Line 4: WASHINGTON, D.C. 20005

ATTORNEY DOCKET NUMBER:	2016-0017A	
NAME OF SUBMITTER: KELLY GREENE		
SIGNATURE: /Kelly Greene/		
DATE SIGNED:	01/07/2016	

Total Attachments: 6

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PATENT 503638978 REEL: 037431 FRAME: 0192



DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT		
Title of Invention	METHOD FOR PRODUCING 2,3,3,3-TETRAFLUOROPROPENE	
As the belov	v named inventor, I hereby declare that:	
This declara		
	X United States application or PCT international application	
	number PCT/JP2014/068148 filed on July 8, 2014.	
The above-i	dentified application was made or authorized to be made by me.	
I believe that application.	t I am the original inventor or an original joint inventor of a claimed invention in the	
	nowledge that any willful false statement made in this declaration is punishable S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.	
for an application,	entor: 37 C.F.R. § 1.63(c) states: "A person may not execute an oath or declaration cation unless that person has reviewed and understands the contents of the including the claims, and is aware of the duty to disclose to the Office all known to the person to be material to patentability as defined in § 1.56."	
	tion of the sum of One Dollar (\$1.00) and other good and valuable consideration by sell and assign to	
	INDUSTRIES, LTD. Assignee)	
	enter Building, 4-12, Nakazaki-Nishi 2-Chome, Kita-ku, Osaka-shi, Osaka 5308323, Japan of Assignee)	
(hereinafter defined in 3	designated as the Assignee) my entire right, title and interest for the United States as 5 USC 100, for any invention set forth in the above-identified application.	
I agree to execute all papers necessary in connection with this application for patent in the USPTO for the invention, and any continuation, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.		

I agree to execute all papers necessary in connection with any post-grant proceeding which may occur in connection with this application or continuation, divisional or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such post-grant proceeding. I agree to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements. I agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee. I hereby authorize and request the USPTO to issue any and all Letters Patents of the United States resulting from the application or any continuation, divisional or reissue applications thereof to the Assignee, as Assignee of my entire interest, and covenant that I have not executed, and will not execute, any agreement in conflict herewith. I hereby grant the firm of Wenderoth Lind & Ponack, L.L.P., the power to insert on this document any further identification which may be necessary or desirable. Inventor (Legal Name): Takehiro CHAKI Signature: Takehiro Chaki

Date: April 17. 2015. Witness (Optional) Witness (Optional) U.S. Application Serial No.: Filing Date: Applicant Reference Number: Attorney Docket No.:

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT Title of METHOD FOR PRODUCING 2,3,3,3-TETRAFLUOROPROPENE Invention As the below named inventor, I hereby declare that: This declaration is directed to: The attached application, or United States application or PCT international application number PCT/JP2014/068148 filed on July 8, 2014. 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. Note to Inventor: 37 C.F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in § 1.56." In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid. I hereby sell and assign to DAIKIN INDUSTRIES, LTD. (Name of Assignee) of Umeda Center Building, 4-12, Nakazaki-Nishi 2-Chome, Kita-ku, Osaka-shi, Osaka 5308323, Japan (address of Assignee) (hereinafter designated as the Assignee) my entire right, title and interest for the United States as defined in 35 USC 100, for any invention set forth in the above-identified application. I agree to execute all papers necessary in connection with this application for patent in the USPTO for the invention, and any continuation, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

procedure in connection with this application or continuation, divisional or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with nuch post-grant proceeding. agree to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements. agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United states patent to the Assignee. Thereby authorize and request the USPTO to issue any and all Letters Patents of the United States esulting from the application or any continuation, divisional or reissue applications thereof to the Assignee, as Assignee of my entire interest, and covenant that I have not executed, and will not execute, any agreement in conflict herewith. Thereby grant the firm of Wenderoth Lind & Ponack, L.L.P., the power to insert on this locument any further identification which may be necessary or desirable. Thereby grant the firm of Wenderoth Lind & Ponack, L.L.P., the power to insert on this locument any further identification which may be necessary or desirable. Witness (Optional) Witness (Optional) Witness (Optional) Witness (Optional) Filing Date:				
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Notement any further identification which may be necessary or desirable. Inventor (Legal Name): Kazuhiro TAKAHASHI Signature: Kazuhiro Sakuhashi Date: (April 27, 2015) Witness (Optional) Witness (Optional) J.S. Application Serial No.: Filing Date:	I hereby authorize and request the USPTO to issue any and all Letters Patents of the United States resulting from the application or any continuation, divisional or reissue applications thereof to the Assignee, as Assignee of my entire interest, and covenant that I have not executed, and will not execute, any agreement in conflict herewith.			
Signature: Kazukire Sakehasfii Date: Optional) Witness (Optional) J.S. Application Serial No.: Filing Date;	I hereby grant the firm of Wenderoth Lind & Ponack, L.L.P., the power to insert on this document any further identification which may be necessary or desirable.			
Date:	Inventor (Legal Name): Kazuhiro TAKAHASHI			
Witness (Optional) Witness (Optional) U.S. Application Serial No.: Filing Date:	Signature: <u>Kazukire Sakohaslii</u>			
Witness (Optional) J.S. Application Serial No.: Filing Date:	Date:			
J.S. Application Serial No.: Filing Date:	Witness (Optional)			
	Witness (Optional)			
Applicant Reference Number: Attorney Docket No.:	U.S. Application Serial No.: Filing Date:			
	Applicant Reference Number: Attorney Docket No.:			

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT Title of METHOD FOR PRODUCING 2,3,3,3-TETRAFLUOROPROPENE Invention As the below named inventor, I hereby declare that: This declaration The attached application, or is directed to: United States application or PCT international application number PCT/JP2014/068148 filed on July 8, 2014. 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. Note to Inventor: 37 C.F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in § 1.56." In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid, I hereby sell and assign to DAIKIN INDUSTRIES, LTD. (Name of Assignee) of Umeda Center Building, 4-12, Nakazaki-Nishi 2-Chome, Kita-ku, Osaka-shi, Osaka 5308323, Japan (address of Assignee) (hereinafter designated as the Assignee) my entire right, title and interest for the United States as defined in 35 USC 100, for any invention set forth in the above-identified application. I agree to execute all papers necessary in connection with this application for patent in the USPTO for the invention, and any continuation, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

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I hereby grant the firm of Wenderoth Lind & Ponack, L.L.P., the power to insert on this document any further identification which may be necessary or desirable.				
Inventor (Legal Name): <u>Tatsuya TAKAKUWA</u>				
Signature: Tatsuya Takakuwa				
Date: April 28, 2015				
Witness (Optional)				
Witness (Optional)				
U.S. Application Serial No.:	Filing Date:			
Applicant Reference Number:	Attorney Docket No.:			

RECORDED: 01/07/2016