

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6434732

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT	
NATURE OF CONVEYANCE:	Corrective Assignment to correct the NAME OF APPLICANT previously recorded on Reel 049271 Frame 0187. Assignor(s) hereby confirms the CORRECT NAME OF APPLICANT IS TORAY CHEMICALS CO., LTD..	
RESUBMIT DOCUMENT ID:	506176870	
CONVEYING PARTY DATA		
	Name	Execution Date
	RYOJI ICHIOKA	03/15/2019
	HARUO MURANO	03/12/2019
RECEIVING PARTY DATA		
Name:	TORAY FINE CHEMICALS CO., LTD.	
Street Address:	3-1, KANDA-SUDACHO 2-CHOME	
Internal Address:	CHIYODA-KU	
City:	TOKYO	
State/Country:	JAPAN	
Postal Code:	1010041	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	16463680
CORRESPONDENCE DATA		
Fax Number:	(215)656-3301	
<i>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.</i>		
Phone:	215-656-3381	
Email:	pto.phil@us.dlapiper.com	
Correspondent Name:	T. DANIEL CHRISTENBURY, DLA PIPER LLP (US)	
Address Line 1:	ONE LIBERTY PLACE	
Address Line 2:	1650 MARKET ST, SUITE 5000	
Address Line 4:	PHILADELPHIA, PENNSYLVANIA 19103	
ATTORNEY DOCKET NUMBER:	TIP-19-1150/308877-000705	
NAME OF SUBMITTER:	DEANA AGUADO	
SIGNATURE:	/DA/	
DATE SIGNED:	12/07/2020	
This document serves as an Oath/Declaration (37 CFR 1.63).		

Total Attachments: 10

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5538442

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
RYOJI ICHIOKA	03/15/2019
HARUO MURANO	03/12/2019
RECEIVING PARTY DATA TORAY FINE CHEMICALS CO., LTD.	
Name:	TORAY FINE CHEMICALS CO., LTD.
Street Address:	3-1, KANDA-SUDACHO 2-CHOME
Internal Address:	CHIYODA-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	1010041
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16463680
CORRESPONDENCE DATA	
Fax Number:	(215)656-3301
<i>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.</i>	
Phone:	2156563381
Email:	pto.phil@dlapiper.com
Correspondent Name:	T. DANIEL CHRISTENBURY, DLA PIPER LLP (US)
Address Line 1:	1650 MARKET STREET, SUITE 5000
Address Line 2:	ONE LIBERTY PLACE
Address Line 4:	PHILADELPHIA, PENNSYLVANIA 19103
ATTORNEY DOCKET NUMBER:	TIP-19-1150/308877-705
NAME OF SUBMITTER:	DEANA AGUADO
SIGNATURE:	/da/
DATE SIGNED:	05/23/2019
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 2	
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COMBINED DECLARATION/ASSIGNMENT

WHEREAS, we

Ryoji Ichioka of Tokai, Japan
Haruo Murano of Ichihara, Japan

(hereinafter referred to as "the undersigned"), have made an invention entitled METHOD FOR DISTILLING DIMETHYL SULFOXIDE AND MULTISTAGE DISTILLATION TOWER identified in International Application No. PCT/JP2018/000060 and US Application No. 16/463,680, (DLA Piper is authorized to insert the US Serial No. when known),

the above-identified application was made or authorized to be made by the persons executing this Declaration;

we believe that we are the original joint inventors of a claimed invention in the application;

we hereby acknowledge that any willful false statement made in this Declaration is punishable under 18 USC §1001 by fine or imprisonment of not more than five (5) years, or both.

WHEREAS, Toray Fine Chemicals, Co., Ltd. with offices at 3-1, Kanda-Sudacho 2-chome, Chiyoda-ku, Tokyo 1010041, Japan (hereinafter referred to as "assignee"), is desirous of acquiring the entire right, title and interest in said invention, said US application and all letters patent issuing for said invention,

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and of other good and valuable consideration, receipt of which hereby acknowledged, the undersigned, intending to be legally bound, does hereby sell, assign and transfer to the assignee the entire right, title and interest, for the United States of America, its territories and possessions, and for all foreign countries, said invention, including said US application, all divisions and continuations thereof, all rights to claim priority based thereon, all rights to file foreign applications on said invention, and all letters patent and reissues thereof, issuing for said invention in the United States of America and in any and all foreign countries.

It is agreed that the undersigned shall be legally bound, upon request of the assignee, or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the undersigned has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the assignee, and to execute all instruments proper to carry out the intent of this instrument. If the undersigned includes more than one individual, these obligations shall apply to all of the undersigned both individually and collectively.

The rights and property herein conveyed by the undersigned are free and clear of any encumbrance.

EXECUTED on the dates set forth below.

March 15, 2019

Date

March 12, 2019

Date

Ryoji Ichi

Ryoji I

Haruo Murano

Haruo Murano