505533144 06/19/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
DOW BENELUX B.V.	02/20/2017

RECEIVING PARTY DATA

Name:	me: DOW GLOBAL TECHNOLOGIES LLC	
Street Address:	2040 DOW CENTER	
City:	MIDLAND	
State/Country:	MICHIGAN	
Postal Code:	48674	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16471194

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	KATHERINE GHEARING	
SIGNATURE:	/KATHERINE GHEARING/	
DATE SIGNED:	06/19/2019	

Total Attachments: 2

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PATENT 505533144 REEL: 049519 FRAME: 0424

ASSIGNEE ACCEPTANCE

WE, the ASSIGNEE:

DOW GLOBAL TECHNOLOGIES LLC

2040 Dow Center

Midland, Michigan 48674 United States of America

hereby accept the ASSIGNMENT which is dated: February 20, 2017 effective as of December 21, 2016

From, the ASSIGNOR:

DOW BENELUX B.V. Herbert H. Dowweg 5 4542 NM Hoek, Postbus 48 4530 AA Terneuzen Netherlands

of the invention entitled:

METHOD FOR STABLE OPERATION OF MICROPOROUS STRUCTURES IN AN OXYGENATE CONVERSION PROCESS

without any restrictions and with all rights and obligations deriving therefrom and declare that this confirmation of acceptance shall be deemed a part of the said ASSIGNMENT.

Signed at Midland, Michigan 48674, USA

this 20 day of February, 20 \ 7

DOW GLOBAL TECHNOLOGIES LLC

CORP. SEAL

SUSAN M. ZERULL

Authorized Representative

PATENT REEL: 049519 FRAME: 0425

ASSIGNMENT

(with Priority Rights) and

INVENTORSHIP DECLARATION

We, ASSIGNOR, of:

DOW BENELUX B.V. Herbert H. Dowweg 5 4542 NM Hoek, Postbus 48 4530 AA Terneuzen Netherlands

an entity **organized and existing under the laws of NETHERLANDS** do hereby claim and declare that we hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof from the sole, true and first inventor(s):

Davy L.S. Nieskens, at Herbert H. Dowweg 5, 4542 NN Terneuzen, Netherlands; Aysegul Ciftci Sandikci, at Herbert H. Dowweg 5, 4542 NN Terneuzen, Netherlands; and Peter E. Groenendijk, at Herbert H. Dowweg 5, 4542 NN Terneuzen, Netherlands

by an Assignment dated: January 31, 2017; February 5, 2017; and January 31, 2017, respectively of an invention relating to and entitled:

METHOD FOR STABLE OPERATION OF MICROPOROUS STRUCTURES IN AN OXYGENATE CONVERSION PROCESS

We do hereby declare, for good and valuable consideration effective as of December 21, 2016, received, sell, assign, and transfer unto:

WE, the ASSIGNEE:

DOW GLOBAL TECHNOLOGIES LLC

2040 Dow Center

Midland, Michigan 48674 United States of America

an entity organized and existing under the laws of the State of Delaware, United States of America our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make application for Letters Patent in its own name, or in the name of its nominee; and all rights and powers to file any reissue, divisional, continuing or substitute application and any corresponding applications in any and all countries, including all rights to claim priority under all International Conventions and Treaties in the name of said Assignee, and do hereby authorize said Assignee to insert here the Priority Number, Filing Date, and Filing Country

[Priority Number	Filing Date	Filing Country
	62/437,165	December 21, 2016	United States of America

of the application on which the priority will be based; and in and to any Letters Patent that may be issued for said invention in any and all countries; and we do hereby agree to assist said Assignee in the prosecution of the said applications and in any interference, conflict, opposition or litigation which may arise involving said invention or the patent or patents thereon, and to execute any reissue, divisional, continuing or substitute application and assent to their making any applications in other countries corresponding to the above and below specifically identified application, as may be requested by said Assignee; and we do hereby authorize said Assignee to insert here the corresponding Application Number, Filing Date, and Filing Country

Application Number	Filing Date	Filing Country

of the corresponding application in any country where that patent property must be entered for recordal of this Assignment; and we do hereby authorize and request that any such Letters Patent be issued to said Assignee in accordance herewith, and consent to the recordal of this Assignment being under covenant, not only that we have full power to make the same, but also that such assigned rights are not encumbered by any grant, license, or other right heretofore given.

Subscribed and Sworn by us at Midland, Michigan 48674, USA
this 20 day of February, 20 17

CORP. SEAL DOW BENELUX B.V.

DARRYL P. FRICKEY

Authorized Representative

PATENT REEL: 049519 FRAME: 0426

RECORDED: 06/19/2019