PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2910749

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DOW BENELUX B.V.	05/16/2012

RECEIVING PARTY DATA

Name:	THE DOW CHEMICAL COMPANY
Street Address:	2030 DOW CENTER
City:	MIDLAND
State/Country:	MICHIGAN
Postal Code:	48674

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14359527

CORRESPONDENCE DATA

Fax Number: (989)636-3237

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: 9896360618

Email: roedel@dow.com

Correspondent Name: MATTHEW ROEDEL

Address Line 1: 2040

Address Line 4: MIDLAND, MICHIGAN 48674

ATTORNEY DOCKET NUMBER:	71664-US-PCT	
NAME OF SUBMITTER:	MATTHEW ROEDEL	
SIGNATURE:	/Matthew Roedel/	
DATE SIGNED:	06/24/2014	

Total Attachments: 3

source=71664-US-PCT 20140624 SWM Dow Benelux to Dow Chemical (2)#page1.tif source=71664-US-PCT 20140624 SWM Dow Benelux to Dow Chemical (2)#page2.tif source=71664-US-PCT 20140624 SWM Dow Benelux to Dow Chemical (2)#page3.tif

PATENT 502864152 REEL: 033163 FRAME: 0823

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This Assignee Acceptance 650 is in the ENGLISH language and has the same recording in other languages with the same 660 number. FORM 650

ASSIGNEE ACCEPTANCE

WE, the ASSIGNEE:

THE DOW CHEMICAL COMPANY

2030 Dow Center

Midland, Michigan 48674 United States of America

hereby accept the ASSIGNMENT attached hereto which is dated: May 16, 2012

From, the ASSIGNOR:

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

Netherlands

of the invention entitled:

CATALYSTS AND METHODS FOR ALCOHOL DEHYDRATION

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, Mich	higan 48674, USA	
. this	2 day of/	May 20 12	···
	7 4 .		
		THE DOW CHEMICAL CO	MPANY
COR	4.4 g 3 g 4	By: 548.	
i i i i i i i i i i i i i i i i i i i		DARRYL P. FŘICKEY	and the same of th
	N. je	Assistant General Couns	el – IP Law
All /All All All All All All All All All	OTARIA	L CERTIFICATE (Corporation)
UNITED S'	TATES OF AN	MERICA)	
STATE OF	MICHIGAN) SS	
County/Par	ish of Midland	i)	
On this	/6_ day of _	Mass . 20 L	, personally appeared
		ICKEY, Assistant General Couns	
known or idea	ntified to me to be	e the individual described in and wh	o executed the foregoing document
and acknowle	dged the same as	a free act and deed for uses and pur	poses therein expressed by
authority of the States of Am		on incorporated under the laws of th	e Siate of Delaware, United
I further certif	fy that said author	rity, dated April 6, 2011, is based or	n _.
a Certified R	esolution		
to sign the for	regoing document	the said individual Assistant Genera it on behalf of the said corporation as I the scope of the objects or activitie	nd that the purposes for which said

SEAL ____

Kaiby Suo World
NOTARY PUBLIC, MICHAND COUNTY, MICHIGAN
1/17 COMMISSION EXPIRES APRIL 07, 2018

Attack this Assigned Acceptance 666 to an ASSIGNAMENT in the forglist language

This Assignment 440 is in the ENGLISH language and has the same meaning in other languages with the cone 440 introduc FORM 440

ASSIGNMENT

(with Priority Rights)

INVENTORSHIP DECLARATION

We, ASSIGNOR, of:

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

a corporation 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

Adam Chojecki, Poelsnepstraat 7 Bus 202, Gent 9000, Belgium, Citizen of Poland and Joost Depicker. Kerkstraat 37. Wachtebeke 918S, Belgium, Citizen of Belgium

by an Assignment dated: May 1, 2012

of an invention relating to and entitled:

CATALYSTS AND METHODS FOR ALCOHOL DEHYDRATION

We do hereby declare, for good and valuable consideration, received, sell, assign, and transfer unto:

WE, the ASSIGNEE: THE DOW CHEMICAL COMPANY

2030 Dow Center

Midland, Michigan 48674 United States of America

a corporation 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
61/577.749	December 20, 2011	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

CORP.

DOW BENELUX B.V.

SEAL

Authorized Representative

Attach Notarial Certificate (Corporation)

\$350,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0 \$50,0

This Norarial Certificate 550 is in the ISMAISH language and has the same meaning in other languages with the same 550 number. FORM 550

NOTARIAL CERTIFICATE (Corporation)

UNITED STATES OF AMERICA STATE OF MICHIGAN County/Parish of Midland)) ss)
On this/\(\text{L}\) day of\(\text{L}\) day of\(\text{L}\) before me, DARRYL P. FRICKEY, Au	. 20 12. , personally appeared thorized Representative.
known or identified to me to be the individu	ual described in and who executed the foregoing documend deed for uses and purposes therein expressed by
I further certify that said authority, dated M	larch 21, 2011, is based on
by authority of a Power of Attorney	
	vidual Authorized Representative with full power to sign

document is granted are within the scope of the objects or activities of said corporation.

SEAL

Lothy Suc Herts
NOTAFY PUBLIC, MICHAND COUNTY, MICHIGAN
NY COMMISSION EXPIRES APRIL 07, 2018

PATENT
RECORDED: 06/24/2014 REEL: 033163 FRAME: 0826