504209437 02/02/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4256114

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
SEQUENCE:	2

CONVEYING PARTY DATA

Name	Execution Date
FILMTEC CORPORATION	09/07/2012

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:	14406994

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.

2040 DOW CENTER

Phone: 9896368537

Email: FGLMFRR@DOW.COM
Correspondent Name: KRISTIE ELLISON

Address Line 4: MIDLAND, MICHIGAN 48674

ATTORNEY DOCKET NUMBER:	72998-US-PCT
NAME OF SUBMITTER:	KRISTIE ELLISON
SIGNATURE:	/Kristie Ellison/
DATE SIGNED:	02/02/2017

Total Attachments: 3

Address Line 1:

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PATENT 504209437 REEL: 041156 FRAME: 0762

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

ASSIGNMENT

(with Priority Rights)

INVENTORSHIP DECLARATION

We, ASSIGNOR, of:

FILMTEC CORPORATION 5400 Dewey Hill Road Edina, Minnesota 55439 United States of America

a corporation organized and existing under the laws of the State of Delaware, United States of America 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):

Abhishek Roy, 6701 Indian Hills Road, Edina, Minnesota 55439, United States of America, Citizen of India and Mou Paul, 6701 Indian Hills Road, Edina, Minnesota 55439, United States of America, Citizen of India

by an Assignment dated: August 20, 2012 and August 21, 2012, respectively of an invention relating to and entitled:

COMPOSITE POLYAMIDE MEMBRANE WITH INCREASED CARBOXYLIC ACID FUNCTIONALITY

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
61/673,467	July 19, 2012	United States of America

of the application on which the priority will be based; and in end 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

his 7th day of September, 20 12

CORP. SEAL FILMTEC CORPORATION

DARRYL P. FRICKEY

Authorized Representative

Attach Notarial Certificate (Corporation)

Ada.It this Assigna: Acceptance 660 to an ANSKINMENT in the Employ language

PATENT REEL: 041156 FRAME: 0763 This Assignee Acceptance 660 is in the ENGLISH language and has the same meaning in other languages with the same 660 number. FORM 660

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: Sentember 7, 2012-

From, the ASSIGNOR:

FILMTEC CORPORATION 5400 Dewey Hill Road Edina, Minnesota 55439 United States of America

of the invention entitled:

COMPOSITE POLYAMIDE MEMBRANE WITH INCREASED CARBOXYLIC ACID FUNCTIONALITY

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 7411_	day of September, 20 12
CORP SEAL	By: DARRYL P. FRICKEY Assistant General Counsel - IP Law

NOTARIAL CERTIFICATE (Corporation)

(corporation)
UNITED STATES OF AMERICA) STATE OF MICHIGAN) SS
County/Parish of Midland On this Aday of School 20/2, personally appeared before me DARRY P. FRICKEY Assistant County County (1997).
before me, DARRYL P. FRICKEY, Assistant General Counsel - IP Law, known or identified to me to be the individual described in and who executed the foregoing docume and acknowledged the same as a free act and deed for uses and purposes therein expressed by authority of the said Corporation incorporated under the laws of the State of Delaware, United
States of America.

I further certify that said authority, dated April 6, 2011, is based on

a Certified Resolution

which I have seen, appointing the said individual Assistant General Counsel - IP Law with full power to sign the foregoing document on behalf of the said corporation and that the purposes for which said document is granted are within the scope of the objects or activities of said corporation.

SEAL

Rebacca Sue Hollingshead KOTARY PUBLIC WILL ALL COUNTY, MICHIGAN MY OCHEUSSION FOR PRES COVENBER 25, 2012 This Notarial Certificate 550 is in the ENGLISH language and has the same meaning in other languages with the same 550 number.

This Notarial Certificate 550 is in the ENGLISH 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) SS County/Parish of Midland)
On this Andrew day of Authorized Representative, personally appeared before me, DARRYL P. FRICKEY, Authorized Representative, known or identified to me to be the individual described in and who executed the foregoing documen and acknowledged the same as a free act and deed for uses and purposes therein expressed by authority of the said Corporation incorporated under the laws of the State of Delaware, United States of America.
I further certify that said authority, dated March 25, 2011, is based on

by authority of a Power of Attorney

which I have seen, appointing the said individual Authorized Representative with full power to sign the foregoing document on behalf of the said corporation and that the purposes for which said document is granted are within the scope of the objects or activities of said corporation.

SEAL

Rebocca Sue Hollingshead NOTARY PUBLIC VILLIUS COUNTY, MICHIGAN NY CONDESSION DES POSSIONERS 25, 2012

Kelleca Sue Hollenghead

PATENT REEL: 041156 FRAME: 0765

RECORDED: 02/02/2017