

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2948475

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
STEVEN R. ALLEN	07/09/2014
VLODEK GABARA	07/06/2014
JOSEPH LENNING LOWERY	07/01/2014
CHRISTOPHER WILLIAM NEWTON	07/01/2014
DAVID J. RODINI	07/14/2014
ANDREW J. SITTER	07/08/2014
RECEIVING PARTY DATA	
Name:	E. I. DUPONT DE NEMOURS AND COMPANY
Street Address:	1007 MARKET STREET
City:	WILMINGTON
State/Country:	DELAWARE
Postal Code:	19898
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14371768
CORRESPONDENCE DATA	
Fax Number:	(302)351-7299
<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>	
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Email:	INEZ.T.CHARLES@DUPONT.COM
Correspondent Name:	H. JACKSON KNIGHT
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Address Line 2:	CHESTNUT RUN PLAZA 721/2333
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ATTORNEY DOCKET NUMBER:	PB0451USPCT
NAME OF SUBMITTER:	INEZ T. CHARLES
SIGNATURE:	/INEZ T. CHARLES/
DATE SIGNED:	07/22/2014
Total Attachments: 6	

PATENT

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NON-PROVISIONAL APPLICATION ASSIGNMENT

We, the undersigned

STEVEN R ALLEN, VLODEK GABARA, JOSEPH LENNING LOWERY,
CHRISTOPHER WILLIAM NEWTON, DAVID J RODINI, ANDREW J SITTER

Hereby declare that

We are the inventors of an invention entitled

SULFUR AND ALKALI METAL CONTAINING IMIDAZOLE FIBER HAVING IONICALLY BOUND HALIDES

which is disclosed in the United States Patent Application No. PCT/US12/20883 filed on 11 JANUARY 2012 and which is identified as Case Number PB0451PCT.

For valuable consideration, the receipt and adequacy of which is hereby acknowledged and in fulfillment of our pre-existing obligation of assignment, we hereby:

I. Sell, assign, and transfer unto E I DU PONT DE NEMOURS AND COMPANY, a corporation organized and existing under the laws of the State of Delaware in the United States of America and having its principal place of business at Wilmington, Delaware, hereinafter referred to as the assignee, (A) the entire right, title, and interest in and to: (1) the aforesaid application for Letters Patent, (2) any priority rights derived from the aforesaid application for Letters Patent by virtue of the International Convention for the Protection of Industrial Property and any other treaty or understanding for intellectual property for any and all member countries of the aforesaid International Convention or other treaty or understanding, (3) any and all our inventions, whether joint or sole, disclosed in the aforesaid application for Letters Patent, (4) any and all applications for Letters Patent for any such inventions in any country whatsoever, (5) any and all patents for any such inventions in any country whatsoever; and (B) the sole right to (1) file such applications in its name or ours, (2) file such applications under the aforesaid International Convention or other treaty or understanding, (3) have said patents granted in its name or ours, and (4) enforce said patents and to sue for and recover profits and damages for any and all infringements thereof whether past or future; and

II. Agree, whenever requested, to communicate to said assignee, its successors, assigns, and legal representatives, any facts known to us respecting said inventions or the rights described above, to testify in any legal proceeding respecting said inventions or the rights described above, the location of that testimony to be in the country in which we reside or in the nearest country in which such testimony is legal should our country of residence prohibit such testimony, to execute all applications, papers or instruments necessary or required by said assignee, its successors, assigns and legal representatives, to carry into effect any of the provisions of this instrument, and generally to do everything possible to aid said assignee, its successors, assigns, and legal representatives to obtain and enforce proper patent protection for said inventions.

Steven R Allen (L.S.)
STEVEN R ALLEN
DATE: 09-July-2014

____ (L.S.)
CHRISTOPHER WILLIAM NEWTON
DATE: _____

____ (L.S.)
VLODEK GABARA
DATE: _____

____ (L.S.)
DAVID J RODINI
DATE: _____

____ (L.S.)
JOSEPH LENNING LOWERY
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ANDREW J SITTER
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STEVEN R ALLEN
DATE: _____

_____(L.S.)
CHRISTOPHER WILLIAM NEWTON
DATE: _____

_____(L.S.)
VLODEK GABARA
DATE: 7/6/14

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DAVID J RODINI
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DATE: 7/20/2014