

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2614008

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>HEIKO HEINRICH HUMBERT</td> <td>08/13/2013</td> </tr> <tr> <td>ROBERT ALLISON GRIGSBY JR.</td> <td>06/05/2013</td> </tr> <tr> <td>PETRA EMMA VANDERSTRAETEN</td> <td>10/17/2013</td> </tr> </tbody> </table>		Name	Execution Date	HEIKO HEINRICH HUMBERT	08/13/2013	ROBERT ALLISON GRIGSBY JR.	06/05/2013	PETRA EMMA VANDERSTRAETEN	10/17/2013
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HEIKO HEINRICH HUMBERT	08/13/2013								
ROBERT ALLISON GRIGSBY JR.	06/05/2013								
PETRA EMMA VANDERSTRAETEN	10/17/2013								
RECEIVING PARTY DATA									
Name:	HUNTSMAN INTERNATIONAL LLC								
Street Address:	10003 WOODLOCH FOREST DRIVE								
City:	THE WOODLANDS								
State/Country:	TEXAS								
Postal Code:	77380								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13990070</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13990070				
Property Type	Number								
Application Number:	13990070								
CORRESPONDENCE DATA									
Fax Number:	(281)719-4045								
Phone:	281-719-4870								
Email:	USPatents@Huntsman.com								
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>									
Correspondent Name:	MARTHA VICTORY								
Address Line 1:	10003 WOODLOCH FOREST DRIVE								
Address Line 2:	LEGAL DEPARTMENT								
Address Line 4:	THE WOODLANDS, TEXAS 77380								
ATTORNEY DOCKET NUMBER:	81757E								
NAME OF SUBMITTER:	MARTHA VICTORY								
Signature:	/Martha Victory/								

Date:

11/13/2013

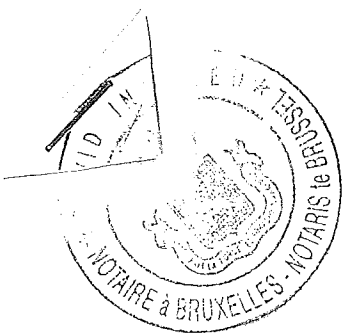
Total Attachments: 4

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81757/USw  
USA  
PCT/EP2011/070611

## ASSIGNMENT

FOR good and valuable consideration, the receipt of which is hereby acknowledged, We:

HUMBERT Heiko Heinrich  
Klemm Str 23, 21075 Hamburg, Germany

GRIGSBY Robert Allison Jr.  
30211 East Legends Trail, Spring, Texas 77386, US

VANDERSTRAETEN Petra Emma  
Koning Leopold I straat 37 bus 1, B-3000 Leuven, Belgium

hereby sell and assign to HUNTSMAN INTERNATIONAL LLC, a corporation of the State of Delaware, having a place of business at 10003 Woodloch Forest Drive, The Woodlands, TX 77380 U.S.A., its successors and assigns, the entire right, title and interest in and to our invention relating to

### “BLOWING CATALYST”

(81757/USw ),

in and for the territory of the United States of America, and we hereby assign to HUNTSMAN INTERNATIONAL LLC the application for United States Letters Patent that was filed on 22 November 2011 as Application Serial Number PCT/EP2011/070611, and all United States patents granted therefor and all divisions, reissues, continuations and extensions thereof, and we hereby sell and assign to the HUNTSMAN INTERNATIONAL LLC, its successors and assigns, the entire right, title and interest in and to the invention in and for all countries foreign to the United States of America, and we hereby covenant that we have full right so to do, and we agree that we will sign all lawful papers, execute all divisional, continuation and reissue applications, authorizations, assignments, and application papers, make all rightful declarations, affirmations, and oaths and generally do everything possible to aid HUNTSMAN INTERNATIONAL LLC, its successors, assigns and nominees, to obtain and enforce proper protection for the invention in all countries throughout the world.

Inventors' Signatures (Full Names):

NAME Heiko H. Humbert  
HUMBERT Heiko Heinrich  
First Middle Last

13.08.2013  
Date

NAME GRIGSBY Robert Allison Jr.  
GRIGSBY Robert Allison Jr.  
First Middle Last

Date

NAME Vanderstraeten  
VANDERSTRAETEN Petra Emma  
First Middle Last

17 OKT. 2013  
Date

COUNTRY of \_\_\_\_\_

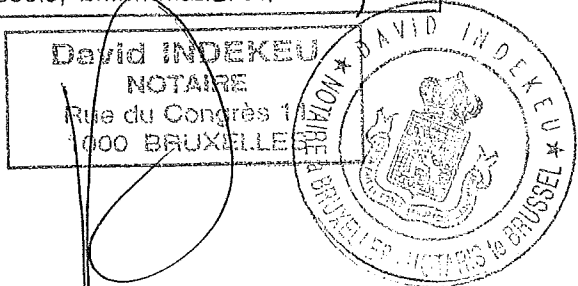
CITY of \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_ 2013, before me personally appeared \_\_\_\_\_ to me known and known to me to be the individual who executed the foregoing instrument, and acknowledged that he executed the same.

\_\_\_\_\_  
Notary Public

(SEAL)

The undersigned, David INDEKEU,  
Notary public at Brussels, Belgium,  
hereby certifies that this (there) is (are)  
the true signature(s) of  
Mr. Heiko HUMBERT  
Ms. Petra VANDERSTRAETEN  
~~Mr. Robert GRIGSBY~~  
Brussels, On October 18<sup>th</sup>, 2013



## ASSIGNMENT

FOR good and valuable consideration, the receipt of which is hereby acknowledged, We:

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Klemm Str 23, 21075 Hamburg, Germany

GRIGSBY Robert Allison Jr.  
30211 East Legends Trail, Spring, Texas 77386, US

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Inventors' Signatures (Full Names):

NAME \_\_\_\_\_  
HUMBERT Heiko Heinrich  
First Middle Last Date

NAME \_\_\_\_\_  
GRIGSBY Robert Allison Jr.  
First Middle Last Date  
*6/05/13*

NAME \_\_\_\_\_  
VANDERSTRAETEN Petra Emma  
First Middle Last Date

STATE  
COUNTRY of Texas

County  
CITY of Montgomery

On this 5<sup>th</sup> day of June 2013, before me personally appeared Robert Allison Grigsby, Jr.  
\_\_\_\_\_ to me known and known to me to be the individual who executed the foregoing  
instrument, and acknowledged that he executed the same.

(SEAL)

*Martha Victory*  
\_\_\_\_\_  
Notary Public

