

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4898430

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
PERRINE DAVOINE	02/24/2015
FRANCIS M. COUSTRY	03/10/2015
JEAN-PAUL DETOURNAY	02/26/2015
KURT ALLEN	01/26/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SOLVAY SA
<b>Street Address:</b>	310 RUE DE RANSBEEK
<b>City:</b>	BRUSSELS
<b>State/Country:</b>	BELGIUM
<b>Postal Code:</b>	B-1120
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15944100
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(609)860-5451
<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>	
<b>Phone:</b>	(770) 772-8693
<b>Email:</b>	deandre.breeland-contractor@solvay.com
<b>Correspondent Name:</b>	SOLVAY USA INC.
<b>Address Line 1:</b>	504 CARNEGIE CENTER
<b>Address Line 2:</b>	2ND FLOOR
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<b>ATTORNEY DOCKET NUMBER:</b>	S 2007/13-US-CNT3
<b>NAME OF SUBMITTER:</b>	DEANDRE BREELAND
<b>SIGNATURE:</b>	/DeAndre Breeland/
<b>DATE SIGNED:</b>	04/04/2018
<b>Total Attachments: 5</b>	
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## ASSIGNMENT OF APPLICATION

WHEREAS I, (WE)

- Perrine DAVOINE, Avenue de la Sarriette 59 B-1020 BRUSSELS (Belgium);
- Francis M. COISTRY, Kasteellaan, 9 B-1652 ALSEMBERG (Belgium) ;
- Jean-Paul DETOURNAY, Rue de Floreffe, 17 B-5150 FLOREFFE (Belgium) ;
- Kurt ALLEN, 800 Saratoga Dr., GREEN RIVER, WY 82935 (United States) ;

,respectively, have invented certain new and useful improvements in :

**"Process for the joint production of sodium carbonate and sodium bicarbonate"**

(Application No. **14/568,810**, filed on December 12, 2014), and

WHEREAS, SOLVAY SA

(hereinafter referred to as "ASSIGNEE") having a place of business at :

**Rue de Ransbeek, 310 B-1120 BRUSSELS (BELGIUM)**

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and all rights under the International Convention for the Protection of Industrial Property, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefore in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

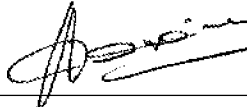
I(WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute,

renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the patent practitioner(s) from the Intellectual Assets Management team of the Solvay Group which is/are authorized to represent said ASSIGNEE in front of the United States Patent and Trademark Office and are located at 3333 Richmond Avenue, Houston, TX 77098, at 8 Cedar Brook Drive, Cranbury, NJ 08512, or at 4500 McGinnis Ferry Road, Alpharetta, GA 30005, the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date : 02/24/2015  
MM/DD/YYYY

  
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(Signature of inventor) - **Perrine DAVOINE**

Date : \_\_\_\_\_  
MM/DD/YYYY

\_\_\_\_\_  
(Signature of inventor) - **Francis M. COUNTRY**

Date : \_\_\_\_\_  
MM/DD/YYYY

\_\_\_\_\_  
(Signature of inventor) - **Jean-Paul DETOURNAY**

Date : \_\_\_\_\_  
MM/DD/YYYY

\_\_\_\_\_  
(Signature of inventor) - **Kurt ALLEN**

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The undersigned hereby grant(s) the patent practitioner(s) of Solvay America, Inc. of 3333 Richmond Avenue, Houston, TX 77098, or at 8 Cedar Brook Drive, Cranbury, NJ 08512, or at 4500 McGinnis Ferry Road, Alpharetta, GA 30005 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date : \_\_\_\_\_  
MM/DD/YYYY

\_\_\_\_\_  
(Signature of inventor) --Perrine DAVOINE

Date : 03/10/2015  
MM/DD/YYYY



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(Signature of inventor) --Francis COUNTRY

Date : \_\_\_\_\_  
MM/DD/YYYY

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(Signature of inventor) --Jean-Paul DETOURNAY

Date : \_\_\_\_\_  
MM/DD/YYYY

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(Signature of inventor) - Kurt ALLEN

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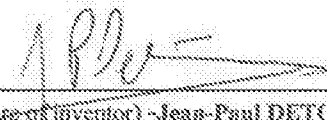
Date : \_\_\_\_\_  
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(Signature of inventor) -- Perrine DAVOINE

Date : \_\_\_\_\_  
MM/DD/YYYY

\_\_\_\_\_  
(Signature of inventor) -- Francis M. COUNTRY

Date : Feb 26, 2015  
MM/DD/YYYY

  
(Signature of inventor) - Jean-Paul DETOURNAY

Date : \_\_\_\_\_  
MM/DD/YYYY

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(Signature of inventor) - Kurt ALLEN

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\_\_\_\_\_  
(Signature of inventor) - Perrine DAVOINE

Date : \_\_\_\_\_  
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(Signature of inventor) - Francis M. COUNTRY

Date : \_\_\_\_\_  
MM/DD/YYYY

\_\_\_\_\_  
(Signature of inventor) - Jean-Paul DETOURNAY

Date : 01/26/2015  
MM/DD/YYYY

  
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(Signature of inventor) - Kurt ALLEN