

PATENT ASSIGNMENT

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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>Philippe MORELLE</td> <td>12/02/2011</td> </tr> <tr> <td>Joachim LANGE</td> <td>12/14/2011</td> </tr> <tr> <td>Christoph SOMMER</td> <td>11/23/2011</td> </tr> </tbody> </table>		Name	Execution Date	Philippe MORELLE	12/02/2011	Joachim LANGE	12/14/2011	Christoph SOMMER	11/23/2011
Name	Execution Date								
Philippe MORELLE	12/02/2011								
Joachim LANGE	12/14/2011								
Christoph SOMMER	11/23/2011								
RECEIVING PARTY DATA									
Name:	SOLVAY SA								
Street Address:	33, rue du Prince Albert								
City:	Brussels								
State/Country:	BELGIUM								
Postal Code:	B-1050								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>PCT Number:</td> <td>EP1170286</td> </tr> </tbody> </table>		Property Type	Number	PCT Number:	EP1170286				
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PCT Number:	EP1170286								
CORRESPONDENCE DATA									
Fax Number:	7135222435								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	713-525-6056								
Email:	sandra.andress@solvay.com								
Correspondent Name:	Solvay America, Inc. c/o Intellectual As								
Address Line 1:	3333 Richmond Avenue								
Address Line 4:	Houston, TEXAS 77098-3099								
ATTORNEY DOCKET NUMBER:	S 2010/61								
NAME OF SUBMITTER:	Sandra Andress								
Signature:	/Sandra Andress/								
Date:	05/17/2013								

CH \$40.00 EP1170286

PATENT

Total Attachments: 6

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ASSIGNMENT OF APPLICATION

WHEREAS I, (WE)

- **Philippe MORELLE, Ingendaellaan, 66, B-1652 ALSEMBERG (Belgium) ;**
- **Joachim LANGE, Waalsebaan, 43, B-3080 TERVUREN (Belgium) ;**
- **Christoph SOMMER, Leipziger Strasse 11, D-74172 NECKARSULM (Germany)**

,respectively, have invented certain new and useful improvements in :
“**Electrolyzer apparatus**”

(Application No. **PCT/EP2011/070286**, filed on **November 16,2011**), and

WHEREAS, **SOLVAY SA**

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

33, rue du Prince Albert

B-1050 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, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is 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) of Solvay North America, L.L.C. of 3333 Richmond Avenue, Houston, TX 77098 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 : 12/02/2011 
MM/DD/YYYY (Signature of inventor) - **Philippe MORELLE**

Date : _____
MM/DD/YYYY (Signature of inventor) - **Joachim LANGE**

Date : _____
MM/DD/YYYY (Signature of inventor) - **Christoph SOMMER**

Date : _____
MM/DD/YYYY (Signature of inventor) -

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Date : _____
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IAM-Nafta
Solvay North America, LLC
3333 Richmond Avenue,
Houston, TX 77098

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Date : _____
MM/DD/YYYY (Signature of inventor) --Philippe MORELLE

Date : December 14/2011
MM/DD/YYYY (Signature of inventor) --Joachim LANGE

Date : _____
MM/DD/YYYY (Signature of inventor) -Christoph SOMMER

Date : _____
MM/DD/YYYY (Signature of inventor) -

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Date : _____
MM/DD/YYYY (Signature of inventor) -Joachim LANGE

Date : 11/23/2011
MM/DD/YYYY (Signature of inventor) -Christoph SOMMER

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