

PATENT ASSIGNMENT

Electronic Version v1.1

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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>Ronald O. HUGHES</td><td>08/31/2009</td></tr><tr><td>Jean-Paul DETOURNAY</td><td>10/30/2009</td></tr><tr><td>Alain VANDENDOREN</td><td>08/31/2009</td></tr><tr><td>Larry C. REFSDAL</td><td>08/31/2009</td></tr><tr><td>Joseph A. VENDETTI</td><td>08/31/2009</td></tr><tr><td>Michael C. MONTOYA</td><td>08/31/2009</td></tr></tbody></table>	Name	Execution Date	Ronald O. HUGHES	08/31/2009	Jean-Paul DETOURNAY	10/30/2009	Alain VANDENDOREN	08/31/2009	Larry C. REFSDAL	08/31/2009	Joseph A. VENDETTI	08/31/2009	Michael C. MONTOYA	08/31/2009	
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RECEIVING PARTY DATA															
Name:	SOLVAY CHEMICALS, INC.														
Street Address:	3333 Richmond Avenue														
City:	Houston														
State/Country:	TEXAS														
Postal Code:	77098-3099														
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>EP0959808</td></tr></tbody></table>	Property Type	Number	PCT Number:	EP0959808											
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PCT Number:	EP0959808														
CORRESPONDENCE DATA															
Fax Number:	(713)525-7887														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	713-525-6082														
Email:	sandra.andress@solvay.com														
Correspondent Name:	Solvay c/o B. Ortego - IAM-NAFTA														
Address Line 1:	3333 Richmond Avenue														
Address Line 4:	Houston, TEXAS 77098-3099														
ATTORNEY DOCKET NUMBER:	SC 2008/03														
NAME OF SUBMITTER:	Sandra Andress														

CH \$40.00 EP0959808

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PATENT
REEL: 025702 FRAME: 0452

Total Attachments: 2

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ASSIGNMENT OF APPLICATION

WHEREAS I, (WE)

Ronald O. HUGHES, 475 Faith Drive, Green River, Wyoming 82935 (U.S.)

Jean-Paul DETOURNAY, Boulevard Brand Whitlock 159, boite 5,
B-1200 BRUSSELS (BELGIUM)

Alain VANDENDOREN, 2095 East Teton Boulevard, Green River, Wyoming 82935 (U.S.)

Larry C. REFSDAL, 1230 Kentucky Street, Green River, Wyoming 82935 (U.S.)

Joseph A. VENDETTI, 1615 East Teton Boulevard, Green River, Wyoming 82935 (U.S.)

Michael C. MONTOYA, 2390 Pennsylvania Boulevard, Green River, Wyoming 82935 (U.S.)

,respectively, have invented certain new and useful improvements in :
“Traveling undercut solution mining systems and methods”

(Application N° **PCT/EP2009/059808**, filed July 29, 2009), and

WHEREAS, **SOLVAY CHEMICALS, Inc.**

(hereinafter referred to as “ASSIGNEE”) having a place of business at :
3333 Richmond Avenue – HOUSTON, Texas 77098-3099 (USA)

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 the entire right, title and interest in and to any and all Letters Patent which may be granted therefor 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 : August 31, 2009 R. O. H
(Signature of inventor) – **Ronald O. HUGHES**

Date : Oct, 30th, 2009 J P Detournay
(Signature of inventor) – **Jean-Paul DETOURNAY**

Date : August 31st, 2009 Alain Vandendoren
(Signature of inventor) – **Alain VANDENDOREN**

Date : August 31, 2009 Larry C Refsdal
(Signature of inventor) – **Larry C. REFSDAL**

Date : August 31, 2009 Joe A. Vendetti
(Signature of inventor) – **Joseph A. VENDETTI**

Date : 8/31/2009 Michael C Montoya
(Signature of inventor) – **Michael C. MONTOYA**

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