

<b>PATENT ASSIGNMENT COVER SHEET</b>
--------------------------------------

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4180914

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
LANXESS INC.	09/05/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	LANXESS INTERNATIONAL SA
<b>Street Address:</b>	ROUTE LOUIS BRAILLE 12
<b>City:</b>	GRANGES-PACCOT
<b>State/Country:</b>	SWITZERLAND
<b>Postal Code:</b>	CH-1763
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14364317
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>Email:</b>	ipmail@lanxess.com
<b>Correspondent Name:</b>	LANXESS CORPORATION
<b>Address Line 1:</b>	111 RIDC PARK WEST DRIVE
<b>Address Line 4:</b>	PITTSBURGH, PENNSYLVANIA 15275-1112
<b>ATTORNEY DOCKET NUMBER:</b>	P004 01260USPCT
<b>NAME OF SUBMITTER:</b>	SUZANNE HORCICK
<b>SIGNATURE:</b>	/Suzanne Horcick/
<b>DATE SIGNED:</b>	12/12/2016
<b>Total Attachments: 3</b>	
source=P004_01260_LINC_LISA_signedAssignment#page1.tif	
source=P004_01260_LINC_LISA_signedAssignment#page2.tif	
source=P004_01260_LINC_LISA_signedAssignment#page3.tif	

WORLD-WIDE ASSIGNMENT OF INVENTION

WHEREAS, **LANXESS Inc.**, whose full post office address is 1265 Vidal Street South, Sarnia, Ontario Canada N7T 7M2 (hereinafter "ASSIGNOR") has certain rights, title and interest in and to the inventions described and claimed in the patents and patent applications listed in Schedule A attached hereto, and

WHEREAS, **LANXESS International S.A.** having a principal place of business at Route Louis Braille 12, CH - 1763 Granges-Paccot, Switzerland (hereinafter "ASSIGNEE"), is desirous of obtaining certain rights, title and interest in, to and under said inventions, patents and patent applications.

NOW, THEREFORE, in consideration of the sum of one dollar (\$1.00) to it in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR does hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns: all its rights, title and interest throughout the world in and to said invention, all improvements, modifications, additions, and deletions to said invention(s); the above-identified application and all divisional, renewal, substitute, continuation, continuation-in-part and national phase applications thereof; all other applications for Letters Patent in any country throughout the world in and to said invention and improvements, modifications, additions, and deletions to said invention; all corresponding rights, title and interest in and to any Letters Patent which may issue from any of said applications in any country throughout the world and all reissues and extensions thereof; the right to claim for the same priority rights derived from said applications under any international agreements, conventions or treaties and the domestic laws of the country in which any such application is filed, as may be applicable; and the full and complete right to file applications for Letters Patent in the name of the ASSIGNEE, its designee or in ASSIGNOR'S name at the ASSIGNEE's, or its designee's election, on said invention and improvements, modifications, additions, and deletions to said inventions and on any of said applications in all countries throughout the world;

AND ASSIGNOR HEREBY agrees, without further consideration, and upon the request of the ASSIGNEE, its successors and assigns, to execute any and all divisional, continuation, continuation-in-part applications, reissue and substitute applications for said inventions, and improvements, modifications, additions, and deletions thereto, and acknowledge and agree that all rights therein shall vest in the ASSIGNEE, its successors and assigns, whereby said Letters Patent will be held and enjoyed by said ASSIGNEE, its successors and assigns, to the full extent of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made;

AND ASSIGNOR HEREBY agrees, without further consideration, and upon the request of the ASSIGNEE, its successors and assigns, to execute any and all documents required by the ASSIGNEE to fully and properly vest the aforementioned rights in the ASSIGNEE; to do all things which the ASSIGNEE, its successors and assigns, shall consider necessary or desirable for securing, maintaining and enforcing the rights and property specified herein above, including testifying in all legal proceedings, to communicate all facts known by ASSIGNOR relating to the inventions and the history thereof;

AND ASSIGNOR HEREBY authorizes and requests the Commissioner of Patents or the like Official of any country, whose duty it is to issue patents or other evidence of forms of industrial property protection on applications as aforesaid, to issue the same in and to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

AND ASSIGNOR HEREBY covenants and agrees that it has full right to convey all of its interest herein assigned, and that it has not executed, and will not execute, any agreement in conflict herewith; has not copied or used information that may be subject to a trade-secret owned or under the control of a third party; the present assignment is complementary to any previous assignment, if any, in favour of the ASSIGNEE;

The ASSIGNOR hereby grants to the ASSIGNEE, the power to insert on this assignment any further information which may be necessary or desirable in order to comply with any patent rules or regulations for recordation of this document.

AND in the event of disagreement between the ASSIGNOR and ASSIGNEE, this World-Wide Assignment of Invention shall be interpreted in accordance with the Laws in effect in the Province of Ontario.

SIGNED at London, Ontario, Canada, this 5<sup>th</sup> day of September, 2013.  
(City, Country)

ASSIGNOR: [Signature]  
Signature

Name: VICTOR CHOI

Title: IP Manager

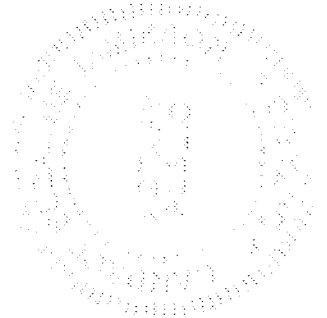
I have authority to bind LANXESS Inc.

Before me, on this 5<sup>th</sup> day of September, 2013, personally appeared Victor Choi, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he acknowledged the same to be his free act and deed.

[Signature]  
Signature of Witness

Name: Candace Jamieson

***Candace Suzanne Jamieson, Notary Public, County of Middlesex, limited to the attestation of instruments and the taking of affidavits, for LANXESS Inc. Expires on the 12th day of September, 2015.***



P004 01242 IN	India	8978/DELNP/2012	2011-Apr-08
P004 01242 JP	Japan	2013-504073	2011-Apr-08
P004 01242 KR	Korea	10-2012-7029893	2011-Apr-08
P004 01242 MX	Mexico	2012-011830	2011-Apr-08
P004 01242 MY	Malaysia	PI2012004613	2011-Apr-08
P004 01242 RU	Russia	2012148554	2011-Apr-08
P004 01242 SA	Saudi Arabia	111320372	2011-Apr-13
P004 01242 SG	Singapore	201207612-1	2011-Apr-08
P004 01242 TH	Thailand	1201005442	2011-Apr-08
P004 01242 TW	Taiwan	100113090	2011-Apr-15
P004 01242 UA	Ukraine	A201213045	2011-Apr-08
P004 01242 US	United States	13/640,541	2011-Apr-08
P004 01242 VN	Vietnam	1-2012-03372	2011-Apr-08
P004 01242 PCT	International Procedure	PCT/CA2011/000379	2011-Apr-08
P004 01255 US	United States	61/579,478	2011-Dec-22
P004 01255 PCT	International Procedure	PCT/CA2012/001190	2012-Dec-21
P004 01260 US	United States	61/579,513	2011-Dec-22
P004 01260 PCT	International Procedure	PCT/CA2012/001193	2012-Dec-21
P004 01261 US	United States	61/579,534	2011-Dec-22