

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Elizabeth R Gillies</td> <td>08/28/2013</td> </tr> <tr> <td>Colin V Bonduelle</td> <td>08/28/2013</td> </tr> <tr> <td>Solmaz Karamdoust</td> <td>08/28/2013</td> </tr> <tr> <td>Lorenzo P Ferrari</td> <td>08/01/2013</td> </tr> <tr> <td>Dana K Adkinson</td> <td>08/19/2013</td> </tr> <tr> <td>Goran Stojcevic</td> <td>08/21/2013</td> </tr> </tbody> </table>		Name	Execution Date	Elizabeth R Gillies	08/28/2013	Colin V Bonduelle	08/28/2013	Solmaz Karamdoust	08/28/2013	Lorenzo P Ferrari	08/01/2013	Dana K Adkinson	08/19/2013	Goran Stojcevic	08/21/2013
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RECEIVING PARTY DATA															
<table border="1"> <tr> <td>Name:</td> <td>University of Western Ontario</td> </tr> <tr> <td>Street Address:</td> <td>1151 Richmond Street</td> </tr> <tr> <td>City:</td> <td>London, Ontario</td> </tr> <tr> <td>State/Country:</td> <td>CANADA</td> </tr> <tr> <td>Postal Code:</td> <td>N6A 5B8</td> </tr> </table>		Name:	University of Western Ontario	Street Address:	1151 Richmond Street	City:	London, Ontario	State/Country:	CANADA	Postal Code:	N6A 5B8				
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PROPERTY NUMBERS Total: 1															
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CORRESPONDENCE DATA															
Fax Number:	4128091054														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	412-809-2232														
Email:	ipmail@lanxess.com														

CH \$40.00 13816549

Correspondent Name: Michael A. Miller
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Address Line 4: Pittsburgh, PENNSYLVANIA 15275-1112

ATTORNEY DOCKET NUMBER: P004 01249

NAME OF SUBMITTER: Linda J. Dinkins

Signature: /Linda J. Dinkins/

Date: 09/16/2013

Total Attachments: 10

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ASSIGNMENT OF INVENTION

WHEREAS I/we,

- 1) GILLIES, Elizabeth R., Canadian Citizen, 19 Foxchapel Road, London, Ontario, N6G 1Z1, Canada;
- 2) BONDUELLE, Colin V., France Citizen, rue de la République, 31290 Villenfranche de Lauragais, France; and
- 3) KARAMDOUST, Solmaz, Iranian Citizen, 910-720 Wonderland Road North, London, Ontario, N6H 4Y8, Canada

have invented certain improvements in the invention entitled,

METHODS FOR PREPARATION OF NOVEL GRAFT COPOLYMERS

as described in a patent application executed by me/us and identified as follows:

<u>Country</u>	<u>Application No(s):</u>	<u>Filed:</u>
United States	61/373,398	August 13, 2010
WO	PCT/CA2011/050487	August 11, 2011
Saudi Arabia	111 32 0687	August 13, 2011
Taiwan	100128581	August 11, 2011
Canada	2,807,735	August 11, 2011
China	201180049858.1	August 11, 2011
Europe	11815967.2	August 11, 2011
United States	13/816,549	August 11, 2011

WHEREAS, University of Western Ontario, having a principal office at 1151 Richmond Street, London, Ontario N6A 5B8, Canada, is desirous of acquiring the entire right, title and interest in and to said invention or inventions and any and all patents to be obtained therefore;

NOW, THEREFORE, for valuable consideration and in accordance with the obligations in my/our employment contracts with University of Western Ontario, I/we do hereby sell, assign and transfer unto said University of Western Ontario, its successors and assigns, the entire right, title, and interest in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any applications filed in any foreign country based thereon, including the right to file said foreign applications under the provisions of the International Convention; also any improvements on said invention or inventions now or hereafter made by me/us during the period of my/our employment; also the entire right, title and interest in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention, inventions or improvements and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention, inventions or improvements in this or any foreign country; and I/we hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said University of Western Ontario, as assignee of the entire interest.

I/We further agree, without any payment by University of Western Ontario, other than expenses incurred by the undersigned, to communicate to said University of Western Ontario, its representatives or agents, any facts relating to said invention, inventions or improvements, including evidence for interference purposes or for other legal proceedings, whenever requested, testify in any interference or other legal proceedings, whenever requested; and execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective.

Assignors:

SIGNED at Pessac, France (City, Country) this 28 day of August, 2013.

ASSIGNOR: E. Gillies
Signature

Name: **Elizabeth R. Gillies**
Title: **Inventor**

Before me, on this 28 day of August, 2013, personally appeared **Elizabeth R. Gillies**, 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: Olivier Sandre

SIGNED at Pessac, France (City, Country) this 28 day of August, 2013.

ASSIGNOR: C. Bonduelle
Signature

Name: **Colin V. Bonduelle**
Title: **Inventor**

Before me, on this 28 day of August, 2013, personally appeared **Colin V. Bonduelle**, 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: Olivier Sandre

SIGNED at _____ (City, Country) this _____ day of _____, 2013.

ASSIGNOR: _____
Signature

Name: **Solmaz Karamdoust**
Title: **Inventor**

Before me, on this _____ day of _____, 2013, personally appeared **Solmaz Karamdoust**, 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 of Witness

Name:

ASSIGNMENT OF INVENTION

WHEREAS I/we,

- 1) GILLIES, Elizabeth R., Canadian Citizen, 19 Foxchapel Road, London, Ontario, N6G 1Z1, Canada;
- 2) BONDUELLE, Colin V., France Citizen, rue de la République, 31290 Villenfranche de Lauragais, France; and
- 3) KARAMDOUST, Solmaz, Canadian Permanent Resident, 1012-720 Wonderland Road North, London, Ontario, N6H 4Y8, Canada

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WHEREAS, University of Western Ontario, having a principal office at 1151 Richmond Street, London, Ontario N6A 5B8, Canada, is desirous of acquiring the entire right, title and interest in and to said invention or inventions and any and all patents to be obtained therefore;

NOW, THEREFORE, for valuable consideration and in accordance with the obligations in my/our employment contracts with University of Western Ontario, I/we do hereby sell, assign and transfer unto said University of Western Ontario, its successors and assigns, the entire right, title, and interest in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any applications filed in any foreign country based thereon, including the right to file said foreign applications under the provisions of the International Convention; also any improvements on said invention or inventions now or hereafter made by me/us during the period of my/our employment; also the entire right, title and interest in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention, inventions or improvements and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention, inventions or improvements in this or any foreign country; and I/we hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said University of Western Ontario, as assignee of the entire interest.

I/We further agree, without any payment by University of Western Ontario, other than expenses incurred by the undersigned, to communicate to said University of Western Ontario, its representatives or agents, any facts relating to said invention, inventions or improvements, including evidence for interference purposes or for other legal proceedings, whenever requested, testify in any interference or other legal proceedings, whenever requested; and execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective.

Assignors:

SIGNED at _____, this _____ day of _____, 2013.
(City, Country)

ASSIGNOR: _____
Signature

Name: **Elizabeth R. Gillies**
Title: **Inventor**

Before me, on this _____ day of _____, 2013, personally appeared **Elizabeth R. Gillies**, 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 of Witness

Name:

SIGNED at _____, this _____ day of _____, 2013.
(City, Country)

ASSIGNOR: _____
Signature

Name: **Colin V. Bonduelle**
Title: **Inventor**

Before me, on this _____ day of _____, 2013, personally appeared **Colin V. Bonduelle**, 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 of Witness

Name:

SIGNED at London / Canada, this 28 day of August, 2013.
(City, Country)

ASSIGNOR: S. Karamdoust
Signature

Name: **Solmaz Karamdoust**
Title: **Inventor**

Before me, on this 28th day of August, 2013, personally appeared **Solmaz Karamdoust**, 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.

Candace Jamieson
Signature of Witness

Name: **Candace Jamieson**

WORLD-WIDE ASSIGNMENT OF INVENTION

WHEREAS, (1) **Goran Stojcovic**; (2) **Lorenzo P. Ferrarri** and (3) **Dana K. Adkinson**, whose full post office addresses are (1) Verbindingsdok Oostkaai 1, bus 3, B-000, Antwerpen, Belgium; (2) 3156 Brookside Crescent, Brights Grove, Ontario, Canada, N0N 1C0 and (3) 113 Whisperwood Avenue, London, Ontario, N6K 4C1, Canada (hereinafter "ASSIGNOR") has certain rights, title and interest in and to the invention relating to:

METHODS FOR PREPARATION OF NOVEL GRAFT COPOLYMERS as described and claimed in PCT Application No. PCT/CA2011/050487, filed August 11, 2011, based on U.S. Provisional Patent Application filed August 13, 2010 under application serial no. 61/373,398; and

WHEREAS, **LANXESS Inc.** having a principal place of business at **1265 Vidal Street South, Sarnia, Ontario Canada N7T 7M2** (hereinafter "ASSIGNEE"), is desirous of obtaining certain rights, title and interest in, to and under said invention and application.

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;

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 _____, this _____ day of _____, 2013.
(City, Country)

ASSIGNOR: _____
Signature

Name: **Goran Stojcevic**
Title: **Inventor**

Before me, on this _____ day of _____, 2013, personally appeared (or attested) **Goran Stojcevic**, 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 of Witness

Name:

SIGNED at London, Ontario, Canada this 1st day of August, 2013.
(City, Country)

ASSIGNOR: _____
Signature

Name: **Lorenzo P. Ferrari**
Title: **Inventor**

Before me, on this 1st day of August, 2013, personally appeared (or attested) **Lorenzo P. Ferrari**, 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.

Candace Jamieson
Signature of Witness

Name: Candace Jamieson

SIGNED at London, Canada, this 19 day of Aug., 2013.
(City, Country)

ASSIGNOR: D. Adkinson
Signature

Name: **Dana K. Adkinson**
Title: **Inventor**

Before me, on this 19th day of August, 2013, personally appeared (or attested) **Dana K. Adkinson**, 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.

Candace Jamieson
Signature of Witness

Name: **Candace Jamieson**

WORLD-WIDE ASSIGNMENT OF INVENTION

WHEREAS, (1) **Goran Stojcevic**; (2) **Lorenzo P. Ferrarri** and (3) **Dana K. Adkinson**, whose full post office addresses are (1) Verbindingsdok Oostkaai 1, bus 3, B-000, Antwerpen, Belgium; (2) 3156 Brookside Crescent, Brights Grove, Ontario, Canada, N0N 1C0 and (3) 113 Whisperwood Avenue, London, Ontario, N6K 4C1, Canada (hereinafter "ASSIGNOR") has certain rights, title and interest in and to the invention relating to:

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WHEREAS, **LANXESS Inc.** having a principal place of business at **1265 Vidal Street South, Sarnia, Ontario Canada N7T 7M2** (hereinafter "ASSIGNEE"), is desirous of obtaining certain rights, title and interest in, to and under said invention and application.

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;

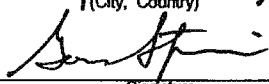
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AND ASSIGNOR HEREBY authorizes and requests the Commissioner of Patents or the like Official of any country, whose duty it is to issue patents or other evidence of forms of industrial property protection on applications as aforesaid, to issue the same 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;

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 Antwerpen, Belgium, this 21 day of August, 2013.
(City, Country)

ASSIGNOR: 
Signature

Name: **Goran Stojcevic**
Title: **Inventor**

Before me, on this _____ day of _____, 2013, personally appeared (or attested) **Goran Stojcevic**, 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 of Witness

Name:

SIGNED at _____, this _____ day of _____, 2013.
(City, Country)

ASSIGNOR: _____
Signature

Name: **Lorenzo P. Ferrari**
Title: **Inventor**

Before me, on this _____ day of _____, 2013, personally appeared (or attested) **Lorenzo P. Ferrari**, 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 of Witness

Name:

SIGNED at _____, this _____ day of _____, 2013.
(City, Country)

ASSIGNOR: _____
Signature

Name: **Dana K. Adkinson**
Title: **Inventor**

Before me, on this _____ day of _____, 2013, personally appeared (or attested) **Dana K. Adkinson**, 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 of Witness

Name: