504002165 09/13/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4048821

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RICK L. ADKINS	09/08/2016
WILLIAM E. WOOD	09/12/2016
EDWARD P. BROWNE	09/09/2016

RECEIVING PARTY DATA

Name:	COVESTRO LLC
Street Address:	1 COVESTRO CIRCLE
City:	PITTSBURGH
State/Country:	PENNSYLVANIA
Postal Code:	15205
Name:	COVESTRO DEUTSCHLAND AG
Street Address:	KAISER-WILHELM-ALLEE 60
City:	LEVERKUSEN
State/Country:	GERMANY
Postal Code:	51373

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15263491

CORRESPONDENCE DATA

Fax Number: (412)413-3902

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.

Phone: 412-413-3866

Email: US-IPR@covestro.com

Correspondent Name: COVESTRO LLC

Address Line 1: 1 COVESTRO CIRCLE

Address Line 4: PITTSBURGH, PENNSYLVANIA 15205

ATTORNEY DOCKET NUMBER:	COV162012
NAME OF SUBMITTER:	N. DENISE BROWN
SIGNATURE:	/N. Denise Brown/

PATENT 504002165 REEL: 039714 FRAME: 0503

DATE SIGNED: 09/13/2016

Total Attachments: 3
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PATENT REEL: 039714 FRAME: 0504

ASSIGNMENT

WHEREAS We, 1) Rick L. Adkins, 2) William E. Wood of 1) 144 Sandy Brae Drive, Canonsburg.
PA 15317 2) 48 Spruce Ridge Drive, Hurricane, WV 25526
have invented certain improvements inIMPROVED POLYMER POLYOL QUALITY
described in a patent application executed by us and identified in the United States Patent Office as follows:
Serial No.: To Be Assigned
Filed: <u>Herewith</u>
and Attorney's Docket No.; COV162012 / MD15-022; and
WHEREAS, COVESTRO LLC, of Pittsburgh, Pennsylvania, a limited liability company of the State of Delaware 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; this document may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, but all such counterparts shall together constitute but one and the same document.
NOW, THEREFORE, for valuable consideration and in accordance with the obligations in our employment contracts with COVESTRO LLC, we do hereby sell, assign and transfer unto said COVESTRO LLC, 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 applications under the provisions of the International Convention; also any improvements on said invention or inventions now or hereafter made by us during the period of 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 we hereby authorize and request the issuing authority to issue any and all patents on said applications to said COVESTRO LLC, as assignee of the entire interest.
We further agree, without any payment by COVESTRO LLC, other than expenses incurred by the undersigned, to communicate to said COVESTRO LLC, 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.
SIGNED AT PITTSBURGH PENNSYLVANIA
Les (L.S.) 1) L. L. Adkins (L.S.) 1) Rick L. Adkins
signed at <u>south charleston</u> , <u>west virginia</u> .
(L.S.) 2) William E. Wood
(Date) William E. Wood

PATENT REEL: 039714 FRAME: 0505

<u>ASSIGNMENT</u>

WHEREAS We, 1) Rick	L. Adkins 2) William E. Wood of 1) 144 Sandy Brac Drive, Canonsburg,
PA 15317 2) 48 Spruce Ridge D	rive, Hurricane, WV 25526
have invented certain improvement	ts in IMPROVED POLYMER POLYOL QUALITY
described in a patent application ex	recuted by us and identified in the United States Patent Office as follows:
Serial N	io.: To Be Assigned
Filed:	Herewith
and Atte	princy's Docket No.: COV162012 / MD15-022; and
Delaware is desirous of acquiring t and all patents to be obtained there	LLC, of Pittsburgh, Pennsylvania, a limited liability company of the State of the entire right, title and interest in and to said invention or inventions and any fore; this document may be executed in any number of counterparts, each of to be an original, but all such counterparts shall together constitute but one
employment contracts with COVES LLC, its successors and assigns, the described in the aforesaid application application; and in and to any application or inventions under the invention or inventions now or here title and interest in and to any and a foreign country upon said invention in-part or substitute applications whany foreign country; and we hereby said application or applications to said application or applications to said application or applications to said application.	valuable consideration and in accordance with the obligations in our STRO LLC, we do hereby sell, assign and transfer unto said COVESTRO entire right, title, and interest in and to said invention or inventions, as on, in any form or embodiment thereof, and in and to the aforesaid cations filled in any foreign country based thereon, including the right to file provisions of the International Convention; also any improvements on said eafter made by us during the period of our employment; also the entire right, ill patents or reissues or extensions thereof to be obtained in this or any inventions or improvements and any divisional, continuation, continuation-pich may be filed upon said invention, inventions or improvements in this or authorize and request the issuing authority to issue any and all patents on aid COVESTRO LLC, as assigned of the entire interest.
undersigned, to communicate to sai	d COVESTRO LLC, its representatives or agents, any facts relating to said
invention, inventions of improveme whenever reducated, testify in any i	nts, including evidence for interference purposes or for other legal proceedings aterference or other legal proceedings, whenever requested; and execute and
deliver, on request, all lawful paper	s required to make any of the foregoing provisions effective.
SIGNED AT <u>PITTSBU</u>	GH PENNSYLVANIA
	(L.S.) 1)
(Date)	(L.S.) 1) Rick L. Adkins
SIGNED AT SOUTH CI	JARLESTON , WEST VIRGINIA
9/12/16	(LS) 2) WE WA
(Nota)	STATE OF STA

PATENT REEL: 039714 FRAME: 0506

ASSIGNMENT

WHEREAS I. 1) Edward P. Browne of Hildeboldplatz 23-25, Cologne, Germany 50672
has invented certain improvements in <u>IMPROVED POLYMER POLYOL OUALITY</u>
described in a patent application executed by me and identified in the United States Patent Office as follows:
Serial No.: To Be Assigned
Filed: <u>Herewith</u>
and Attorney's Docket No.: COV162012 / MD15-022; and
WHEREAS, COVESTRO DEUTSCHLAND AKTIENGESELLSCHAFT, of Leverkusen, Germany, a corporation of Germany, 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; this document may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, but all such counterparts shall together constitute but one and the same document.
NOW, THEREFORE, for valuable consideration and in accordance with the obligations in my employment contract with COVESTRO DEUTSCHLAND AKTIENGESELLSCHAFT, I do hereby sell, assign and transfer unto said COVESTRO DEUTSCHLAND AKTIENGESELLSCHAFT, their successors and assign 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 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 during the period of my 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 file upon said invention, inventions or improvements in this or any foreign country; and I hereby authorize and require issuing authority to issue any and all patents on said application or applications to said COVESTRO DEUTSCHLAND AKTIENGESELLSCHAFT, as assignees of the entire interest.
I further agree, without any payment by COVESTRO DEUTSCHLAND AKTIENGESELLSCHAFT, other than expenses incurred by the undersigned, to communicate to said COVESTRO DEUTSCHLAND AKTIENGESELLSCHAFT, their 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.
SIGNED AT LEVERKUSEN GERMANY,
9. 7. 2016 (Date) LS.) 1) Billward P. Browne
(Date) Ethverd P. Browne

PATENT REEL: 039714 FRAME: 0507

RECORDED: 09/13/2016