

## TRADEMARK ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	SECURITY INTEREST		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
TPC Group LLC		12/20/2012	LIMITED LIABILITY COMPANY: TEXAS
RECEIVING PARTY DATA			
Name:	Wells Fargo Bank, National Association, as Collateral Agent		
Street Address:	150 East 42nd Street		
Internal Address:	40th Floor		
City:	New York		
State/Country:	NEW YORK		
Postal Code:	10017		
Entity Type:	CORPORATION: DISTRICT OF COLUMBIA		
PROPERTY NUMBERS Total: 2			
Property Type	Number	Word Mark	
Registration Number:	3996172	P	
Registration Number:	4070662	TPC	
CORRESPONDENCE DATA			
Fax Number:	2122305199		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>			
Phone:	212-318-6518		
Email:	terrenceboyle@paulhastings.com		
Correspondent Name:	Terrence G. Boyle c/o Paul Hastings LLP		
Address Line 1:	75 East 55th Street		
Address Line 4:	New York, NEW YORK 10022		
ATTORNEY DOCKET NUMBER:	78649.00006		
NAME OF SUBMITTER:	Terrence G. Boyle		

Signature:	/Terrence G. Boyle/
Date:	01/16/2013
<b>Total Attachments: 7</b> source=TPC - IP Security Agreement (Notes)(Executed)#page1.tif source=TPC - IP Security Agreement (Notes)(Executed)#page2.tif source=TPC - IP Security Agreement (Notes)(Executed)#page3.tif source=TPC - IP Security Agreement (Notes)(Executed)#page4.tif source=TPC - IP Security Agreement (Notes)(Executed)#page5.tif source=TPC - IP Security Agreement (Notes)(Executed)#page6.tif source=TPC - IP Security Agreement (Notes)(Executed)#page7.tif	

**PATENT AND TRADEMARK SECURITY AGREEMENT****GRANT OF SECURITY INTEREST IN  
UNITED STATES TRADEMARKS AND PATENTS**

FOR GOOD AND VALUABLE CONSIDERATION, receipt and sufficiency of which are hereby acknowledged, TPC Group LLC, a Texas limited liability company, (the "**Grantor**"), hereby grants, on this 20th day of December 2012, to Wells Fargo Bank, National Association, as Collateral Agent, with principal offices at 150 East 42nd Street, 40th floor, New York, NY, 10017, (the "**Grantee**"), a security interest in (i) all of the Grantor's right, title and interest in and to the United States trademarks, trademark registrations and trademark applications (the "**Marks**") set forth on Schedule A attached hereto, (ii) all of the Grantor's right, title and interest in and to the United States patents (the "**Patents**") set forth on Schedule B attached hereto, in each case together with (iii) all Proceeds (as such term is defined in the Security Agreement referred to below) of the Marks and Patents.

THIS GRANT is made to secure the full and prompt performance and payment of all the Secured Obligations (as such term is defined in the Security Agreement described herein). Upon the occurrence of the Termination Date (as defined in the Security Agreement) or as otherwise provided in Section 17 of the Security Agreement, the Grantee shall, upon such satisfaction, execute, acknowledge, and deliver to the Grantors an instrument in writing releasing the security interest in and re-assigning the Marks and Patents acquired under this Grant to the Grantor.

This Grant has been granted in conjunction with the security interest granted to the Grantee under the Security Agreement among the Grantor, the other assignors party thereto and the Grantee, dated as of December 20, 2012 (as amended, amended and restated or otherwise modified from time to time, the "**Security Agreement**"). The rights and remedies of the Grantee with respect to the security interest granted herein are more fully set forth in the Security Agreement. In the event that any provisions of this Grant are deemed to conflict with the Security Agreement, the provisions of the Security Agreement shall govern.

*[Signature pages follow]*

IN WITNESS WHEREOF, the undersigned have executed this Grant of Security Interest as of the date first written above.

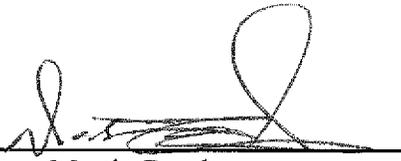
TPC Group LLC, as Grantor

By: \_\_\_\_\_

Name: Rishi A. Varma

Title: Vice President, General Counsel and Secretary

WELLS FARGO BANK, NATIONAL  
ASSOCIATION,  
as Collateral Agent

By: 

Name: Martin Reed

Title: Vice President

[Signature Page to Trademark and Patent Security Agreement (Notes)]

**TRADEMARK**  
**REEL: 004944 FRAME: 0424**

U.S. Trademark Registration

Trademark	Trademark Name	Country	Serial No.	Filing Date	Registration No.	Registration Date	Owner
	P	U.S.	85/042,245	5/19/10	3,996,172	7/19/11	TPC Group LLC
	TPC	US	85/316,712	5/10/11	4,070,662	12/13/11	TPC Group LLC

## Schedule B

Matter No	Title	Country	Serial No.	Filing Date	Patent No.	Issue Date	Owner
TPC-10-2	Low Lead Aviation Gasoline Blend	U.S.	09/457,920	12/9/99	6,451,075	9/17/01	TPC Group LLC
TPC-10-3	Process For Producing High Vinylidene Polyisobutylene	U.S.	09/515,790	2/29/00	6,562,913	5/13/03	TPC Group LLC
TPC-10-4	Process For Preparing Polyolefin Products	U.S.	09/665,084 (60/154,263; 60/160,357/ 09/515,790)	9/20/00 (9/1/99; 10/19/99; 2/29/00)	6,525,149	2/25/03	TPC Group LLC
TPC-10-5	Mid-Range Vinylidene Content Polyisobutylene Polymer Product and Process For Producing The Same	U.S.	10/102,279	3/19/02	7,037,999	5/2/06	TPC Group LLC
TPC-10-7	Apparatus and Method for Controlling Olefin Polymerization Process	US	10/922,181	8/19/04	6,992,152	1/31/06	TPC Group LLC
TPC-10-9	Process For Producing High Vinylidene Polyisobutylene	US (cont. of TPC-10-3)	10/334,639	12/31/02	6,683,138	11/9/04	TPC Group LLC
TPC-10-10	Enhanced Polyisobutylene Modified Hot Melt Adhesive Formulation	US	10/409,302	4/8/03	6,930,148	8/16/05	TPC Group LLC
TPC-10-11	Process for Preparing Polyolefin	US	10/208,234	7/30/02	6,884,858	4/26/05	TPC Group LLC

Matter No.	Title	Country	Serial No.	Filing Date	Patent No.	Issue Date	Owner
	Products	(cont. of TPC-10- 4)					
TPC-10-12	Apparatus for Preparing Polyolefin Products and Methodology for Using the Same	US	10/434,805	5/9/03	6,858,188	2/22/05	TPC Group LLC
TPC-10-13	Apparatus for Preparing Polyolefin Products and Methodology for Using the Same	US	10/758,499	1/15/04	6,844,401	1/18/05	TPC Group LLC
TPC-10-14	Apparatus for Preparing Polyolefin Products and Methodology for Using the Same	US  (division of TPC-10-12)	10/758,168	1/15/04	6,844,400	1/18/05	TPC Group LLC
TPC-10-15	Apparatus for Preparing Polyolefin Products and Methodology for Using the Same	US  (division of TPC-10-12)	10/757,748	1/15/04	6,777,506	8/17/04	TPC Group LLC
TPC-10-16	Method for Preparing a Pressure Sensitive Adhesive Formulation Including an Enhanced Polyisobutylene Modifier	US  (division of TPC-10-8)	10/893,827	7/19/04	6,982,300	1/3/06	TPC Group LLC
TPC-10-17	Adducts of Mid-range Vinylidene Content Polyisobutylene Polymer Products and Methods For Making Same	US	10/896,792	7/22/04	7,091,285	8/15/06	TPC Group LLC
TPC-10-18	Process For Producing Mid-range Vinylidene	US	10/968,630	10/19/04	7,056,990	6/6/06	TPC Group

Matter No.	Title	Country	Serial No.	Filing Date	Patent No.	Issue Date	Owner
	Content Polyisobutylene Polymer Products	(CIP of TPC-10-11 which is a continuation of TPC-10-5)					LLC
TPC-10-19	Process for Preparing Polyolefin Products	US  (cont. of TPC-10-11)	10/962,920	10/12/04	7,645,847	1/12/10	TPC Group LLC
TPC-10-20	Mid-range Vinylidene Content Polyisobutylene Polymer Product Produced by Liquid Phase Polymerization Process	US  (cont. of TPC-10-18)	11/281,746	11/17/05	7,498,396	3/3/09	TPC Group LLC
TPC-10-21	Crude oil Composition Including Dispersant Material for Mitigating Fouling of Process Equipment and Method for Mitigating Crude Oil Fouling	US	11/634,668	12/6/06	7,329,635	2/18/08	TPC Group LLC