

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HUI HUANG	01/29/2013
AMIT PALKAR	01/29/2013
TING HE	01/29/2013
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<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77042
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14640184
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<b>ATTORNEY DOCKET NUMBER:</b>	138415-1073(P66-41911-US)
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<b>SIGNATURE:</b>	/Teresa J. Lechner-Fish/
<b>DATE SIGNED:</b>	03/06/2015
<b>Total Attachments: 3</b>	
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## A S S I G N M E N T

**WHEREAS**, I, the undersigned inventor of, or joint inventor if more than one inventor is listed below (hereinafter referred to, whether one or more inventors, as "ASSIGNOR(S)"), have invented certain new and useful improvements, entitled

## SYNTHESIS OF PHOTOVOLTAIC CONJUGATED POLYMERS

for which a United States Utility Patent Application ("U.S. Patent Application") and a PCT International Patent Application (PCT Patent Application") is made, both the U.S. and PCT Patent Applications claim priority to U.S. Provisional Patent Application Serial No. 61/599419, filed on February 15, 2012 (collectively, "Patent Applications"); and

**WHEREAS**, Phillips 66 Company (hereinafter referred to as "ASSIGNEE"), with an address of 3010 Briarpark Drive, PWC 8216, Houston, TX 77042, U.S.A., desires to acquire my entire right, title and interest in and to said invention(s), and in and to the said Patent Applications and any Letters Patent that may issue thereon, rely thereon, or claim priority therefrom;

**NOW, THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR(S) assign to ASSIGNEE, all right, title and interest in and to said invention(s), in and to said Patent Applications, all patent applications that may claim priority therefrom or rely thereon, all patents which may be granted therefor, or which may claim priority therefrom or rely thereon, including all divisions, continuations, continuations-in-part, reissues, reexaminations, and extensions thereof, and all related materials, whether in tangible or intangible form, and including all notes, writings, notebooks, and related materials, and ASSIGNOR(S) authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention(s), or patents resulting therefrom, or claiming priority or relying thereon, insofar as ASSIGNOR(S)' interest is concerned, to ASSIGNEE.

ASSIGNOR(S) also assign to ASSIGNEE, all right, title and interest in and to the invention(s) disclosed in said Patent Applications throughout the world, including the United States and its territorial possessions and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in said Patent Applications, and the right to file applications and obtain patents, utility models, industrial models and designs for said invention(s) in its own name throughout the world, including all rights to publish cautionary notices reserving ownership of said invention(s) and all rights to register said invention in appropriate registries, and ASSIGNOR(S) further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in ASSIGNEE.

ASSIGNOR(S) also hereby assign all rights, title and interest to any improvements related to said invention(s) to ASSIGNEE and agree to promptly and fully communicate to ASSIGNEE any facts and information known to them respecting any improvements related to said invention(s) and said Patent Applications while any patent application anywhere in the world is still pending that claims priority, whether directly or indirectly, from said invention(s) or said Patent Applications. ASSIGNOR(S) will maintain any such facts and information in confidence and will only reveal such facts and information to ASSIGNEE or its assigns. ASSIGNOR(S) will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths, declarations, and affidavits and generally do everything possible to vest title in ASSIGNEE and to aid ASSIGNEE to obtain and enforce proper protection for said invention(s) and said Patent Applications in all countries. ASSIGNOR(S) shall not communicate nor cooperate in any manner with any third party, other than ASSIGNEE, that claims any rights in and to said invention(s) and said Patent Applications.

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

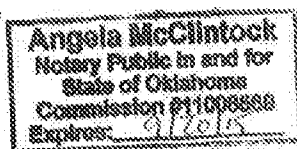
(Signature) [Signature] Date: Jan. 29, 2013  
Name: Hui Huang

STATE OF Oklahoma )  
COUNTY OF Washington )

BEFORE ME, the undersigned authority, on this 29 day of January, 2013, personally appeared Hui Huang, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

[Signature]  
Notary Officer

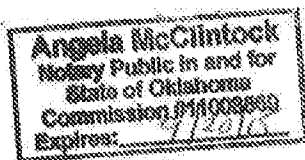
[SEAL]



(Signature) *Amit Palkar* Date: JAN 29<sup>th</sup> 2013  
Name: Amit Palkar

STATE OF OKLAHOMA )COUNTY OF WASHINGTON )

BEFORE ME, the undersigned authority, on this 29 day of January 2013, personally appeared Amit Palkar, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.



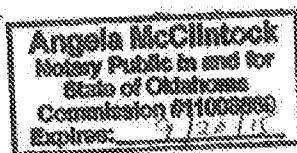
*Angela McClintock*  
Notary Officer

[SEAL]

(Signature) *Ting He* Date: 1/29/2013  
Name: Ting He

STATE OF Oklahoma )COUNTY OF Washington )

BEFORE ME, the undersigned authority, on this 29 day of January 2013, personally appeared Ting He, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.



*Angela McClintock*  
Notary Officer

[SEAL]