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To the best of my knowledge and belief, the foregoing information is true/and, correct with attached copy is a true copy of the original

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Name of Person Signing

document.

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Signature

December 1, 2009

Date

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PATENT REEL: 023625 FRAME: 0516

Docket No.: 210,597

## **ASSIGNMENT**

This is an	Assignment of the following rights	s, title and interest:		
	United States of America right	s, title and interest in the in	vention	
X	United States Patent Application	on Serial No. 12/451,437	· ·	
Title of the	: Invention:	•		
	METHOD OF PREPARING MU LLING PH AND A METHOD OF		UTH MOLYBDATE CATALYSTS DIENE USING THEREOF	WITH
Inventors (	assignors):			
CHUNG, Young Min: 102-903, Chonggu Narae Apt., Jeonmin-dong, Yuseong-gu, Daejeon 305-729, Republic of Korea LEE, Seong Jun: 304-803, Expo Apt., Jeonmin-dong, Yuseong-gu, Daejeon 305-761, Republic of Korea KIM, Tae Jin: 111-703, Sejong Apt., 462-5, Jeonmin-dong, Yuseong-gu, Daejeon 305-728, Republic of Korea OH, Seung Hoon: 1-807, Seongyeong Apt., Daechi-dong, Gangnam-gu, Seoul 135-280, Republic of Korea KIM, Yong Seung: 104-1403, SK View Apt., 432-1, Sindorim-dong, Guro-gu, Seoul 152-888, Republic of Korea SONG, In Kyu: 202, 958-16, Daechi-dong, Gangnam-gu, Seoul 135-280, Republic of Korea KIM, Hee Soo: B-302, Rose Vill, 769-6, Bangbaebon-dong, Seocho-gu, Seoul 137-829, Republic of Korea JUNG, Ji Chul: 201, 1602-34, Bongcheon 7-dong, Gwanak-gu, Seoul 151-835, Republic of Korea LEE, Ho Won: 13-908, Dongseong Apt., Sinnae-dong, Jungnang-gu, Seoul 131-130, Republic of Korea				
Assignee:				
SK Energy Co., Ltd.: 99, Seorin-dong, Jongro-gu, Seoul 110-110, Republic of Korea				
Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");				
And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified assignee;				
Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;				
We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said applications(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States, unto said Assignée.				
	nd we hereby authorize and request the I Invention to said Assignee, as assign		l Trademarks to issue any United States I interest thereto;	etters Patent which may
continuation	s and continuations-in-part of said app	olication for patent, and/or, for	re documents, including applications, for obtaining any reissue or reissues of any l m time to time require and prepare at its	Letters Patent which may
	Young Mm Chung	09/04/2009	Site	09/04/2009
Si	gnature: CHUNG, Young Min	Date	Signature: LEE, Seong Jun	Date
	Tae Jin Kim	68/04/2009	Shoh	Date 09/07/2009
Si	gnature: KIM, Tae Jin	Date	Signature: OH, Seung Hoon	Date
,	gnature: KIM, Yong Seung	4/01/205	Inknowing	09/01/2609
Si	gnature: KIM, Yong Seung	Date	Signature: SONG, In Kyu	Date
	Heesoo KTM	09/04/2009	Ti Chul Jung	09/01/2009
Si	gnature: KIM, Hee Soo	Date	Signature: JUNG, Ji Chul	Date
	Howon Loe	09/11/2009		
Si	gnature: LEE, Ho Won	Date		

**RECORDED: 12/01/2009** 

PATENT REEL: 023625 FRAME: 0517