

# PATENT ASSIGNMENT

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
Cheol Joong KIM	08/08/2011
Jae Wook RYU	08/08/2011
Kyeong Hak SEONG	08/08/2011
Byoung Mu CHANG	08/08/2011
Byeung Soo LIM	08/08/2011
Jong Hyung LEE	08/08/2011
Kyung Seok NOH	08/08/2011
Hyuck Jae LEE	08/08/2011
Sam Ryong PARK	08/08/2011
Sun CHOI	08/08/2011
Seung Hoon OH	08/08/2011
Yong Seung KIM	08/08/2011
Gyung Rok KIM	08/08/2011

**RECEIVING PARTY DATA**

<b>Name:</b>	SK Innovation Co., Ltd.
<b>Street Address:</b>	99, Seorin-dong, Jongro-gu
<b>City:</b>	Seoul
<b>State/Country:</b>	KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF
<b>Postal Code:</b>	110-110

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	13130590

**CORRESPONDENCE DATA**

Fax Number: (216)363-9001

*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*

Phone: 216.363.9000

OP \$40.00 13130590

**501625999**

**PATENT**  
**REEL: 026748 FRAME: 0371**

Email: uspto@faysharpe.com  
Correspondent Name: FAY SHARPE LLP  
Address Line 1: 1228 Euclid Avenue, 5th Floor  
Address Line 2: The Halle Building  
Address Line 4: Cleveland, OHIO 44115

ATTORNEY DOCKET NUMBER:	LEEP 200004US01
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NAME OF SUBMITTER:	Richard M .Klein
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Total Attachments: 8  
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ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, the undersigned, who has/have created a certain invention for which a U.S. Patent Application has been

- ☐ executed concurrently herewith  
☐ executed on  
☒ filed May 23, 2011, and assigned Application Serial No. 13/130,590

and is entitled

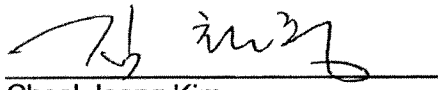
**PROCESS FOR THE PREPARATION OF CLEAN FUEL AND AROMATICS  
FROM HYDROCARBON MIXTURES CATALYTIC CRACKED ON FLUID BED**

hereby sell, assign and transfer to **SK Innovation Co., Ltd.**, ("Assignee"), a corporation of the Republic of Korea, having a place of business at **99, Seorin-dong, Jongro-gu, Seoul 110-110, Republic of Korea**, its successors, assigns, nominees or other legal representatives, the full, exclusive, entire worldwide rights, title and interest in, to, and under said invention as described and claimed in said application, including any provisional application(s) from which it claims priority, the same to be held and enjoyed by Assignee for its own use and enjoyment, and for the use and enjoyment of its successors, assigns, nominees, or other legal representatives, to the end of the term or terms for which said Letters Patent are or may be granted, reissued, or extended, as fully and entirely as the same would have been held and enjoyed by Inventor(s) if this assignment and sale had not been made; all of the entire rights, title and interest in and to said invention and said application, and all original and reissued patents granted for said invention, and all divisions, reissues, continuations-in-part, and continuations of said application, including the subject matter of any and all claims which may be obtained in every patent, and the right, where such right can be legally exercised, in Assignee's own name to apply for and obtain patents in countries foreign to the United States, including the full right to claim for any such application the benefits of the International Convention and the Patent Cooperation Treaty as fully and entirely as Inventor(s) could have done if the foreign application had been filed in the names of the Inventor(s), and the entire interest in any Letters Patent which may be granted on any such application in such foreign countries, and Inventor(s) authorize(s) and request(s) the Commissioner of Patents of the United States, and any official of any country or countries foreign to the United States whose duty is to issue patents on applications as aforesaid, to issue the said Letters Patent to Assignee, its successors, assigns, nominees, or other legal representatives, as Assignee and owner of the said entire rights, and Inventor(s) covenant(s) that Inventor(s) has/have the full right to convey the said entire interest herein assigned and that Inventor(s) has/have not executed and will not execute any agreement in conflict herewith, and Inventor(s) will communicate to Assignee, its successors, assigns, nominees, or other legal representatives all facts known to Inventor(s) respecting said invention, whenever requested, and testify in any legal proceedings, sign all lawful papers, execute and deliver all divisional, continuing, and reissue applications, make all rightful oaths or declarations, and do all lawful acts

requisite for the application for such divisional, continuing, or reissue applications, or the procuring thereof, and that if and when Assignee, its successors, assigns, nominees, or other legal representatives desire to file a disclaimer relating thereto, Inventor(s) will, upon request, sign and deliver all lawful papers requisite for the filing of such disclaimer; and

Inventor(s) further covenant(s) and agree(s) that Inventor(s) will, at any time upon request, do everything possible to aid Assignee, its successors, assigns, nominees, or other legal representatives, either in the name of Inventor(s) or Assignee, to apply for, obtain, and enforce proper patent protection for said invention in all countries, according to the International Convention and the Patent Cooperation Treaty, and all the laws and treaties in force, all without further consideration but at the expense of Assignee, its successors, assigns, nominees, or other legal representatives.

Signed at Daejeon, Korea on August 8, 2011.

  
Cheol Joong Kim

**Witnesses:**

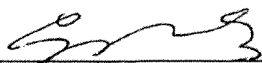
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Signed at Daejeon, Korea on August 8, 2011.

  
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Jae Wood Ryu

**Witnesses:**

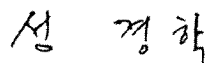
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Signed at Daejeon, Korea on August 8, 2011.

  
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Kyeong Hak Seong

**Witnesses:**

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Printed Name: \_\_\_\_\_

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Printed Name: \_\_\_\_\_

Signed at Daejeon, Korea on August 8, 2011.

장 병 무  
Byoung Mu Chang

**Witnesses:**

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Printed Name: \_\_\_\_\_

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Printed Name: \_\_\_\_\_

Signed at Daejeon, Korea on August 8, 2011.

임 수  
Byeung Soo Lim

**Witnesses:**

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Printed Name: \_\_\_\_\_

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Printed Name: \_\_\_\_\_

Signed at Daejeon, Korea on August 8, 2011.

이종형  
Jong Hyung Lee

**Witnesses:**

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Printed Name: \_\_\_\_\_

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Printed Name: \_\_\_\_\_

Signed at Gyeonggi-do, Korea on August 8, 2011.

노성욱  
Kyung Seok Noh

**Witnesses:**

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Printed Name: \_\_\_\_\_

Signed at Daejeon, Korea on August 8, 2011.



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Hyuck Jae Lee

**Witnesses:**

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Printed Name: \_\_\_\_\_

Signed at Daejeon, Korea on August 8, 2011.



\_\_\_\_\_  
Sam Ryong Park

**Witnesses:**

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Printed Name: \_\_\_\_\_



Signed at Daejeon, Korea on August 8, 2011.



\_\_\_\_\_  
Sun Choi

**Witnesses:**

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Printed Name: \_\_\_\_\_

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Printed Name: \_\_\_\_\_

Signed at Seoul, Korea on August 8, 2011.



\_\_\_\_\_  
Seung Hoon Oh

**Witnesses:**


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Printed Name: \_\_\_\_\_

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Signed at Daejeon, Korea on August 8, 2011.

  
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Yong Seung Kim

**Witnesses:**

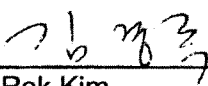
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Signed at Daejeon, Korea on August 8, 2011.

  
\_\_\_\_\_  
Gyung Rok Kim

**Witnesses:**

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Printed Name: \_\_\_\_\_

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Printed Name: \_\_\_\_\_