

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT																		
NATURE OF CONVEYANCE:	ASSIGNMENT																		
CONVEYING PARTY DATA																			
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Tae Young JANG</td> <td>05/18/2012</td> </tr> <tr> <td>Min Ki AHN</td> <td>05/21/2012</td> </tr> <tr> <td>Sun Hyuk BAE</td> <td>05/21/2012</td> </tr> <tr> <td>Gyung Rok KIM</td> <td>05/21/2012</td> </tr> <tr> <td>Yoon Mang HWANG</td> <td>05/18/2012</td> </tr> <tr> <td>Kyoo Sung PARK</td> <td>05/18/2012</td> </tr> <tr> <td>Sun CHOI</td> <td>05/21/2012</td> </tr> <tr> <td>Myung Jun KIM</td> <td>05/21/2012</td> </tr> </tbody> </table>		Name	Execution Date	Tae Young JANG	05/18/2012	Min Ki AHN	05/21/2012	Sun Hyuk BAE	05/21/2012	Gyung Rok KIM	05/21/2012	Yoon Mang HWANG	05/18/2012	Kyoo Sung PARK	05/18/2012	Sun CHOI	05/21/2012	Myung Jun KIM	05/21/2012
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RECEIVING PARTY DATA																			
<table border="1"> <tr> <td>Name:</td> <td>SK Innovation Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>99, Seorin-dong, Jongro-gu</td> </tr> <tr> <td>City:</td> <td>Seoul 110-110</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> </table>		Name:	SK Innovation Co., Ltd.	Street Address:	99, Seorin-dong, Jongro-gu	City:	Seoul 110-110	State/Country:	KOREA, REPUBLIC OF										
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Application Number:	13512933																		
CORRESPONDENCE DATA																			
Fax Number:	(212)949-9190																		
Phone:	212-949-9022																		
Email:	mwashburn@lawabel.com																		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>																			
Correspondent Name:	ABELMAN, FRAYNE & SCHWAB																		
Address Line 1:	666 THIRD AVENUE, 10TH FLOOR																		
Address Line 4:	NEW YORK, NEW YORK 10017-5621																		
ATTORNEY DOCKET NUMBER:	212,192																		

CH \$40.00 13512933

NAME OF SUBMITTER:

Charles S. Stein

Total Attachments: 2

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**UNITED STATES**  
**ASSIGNMENT FROM INVENTOR**

This is an Assignment of the following rights, title and interest:

- United States of America rights, title and interest in the invention  
 United States Patent Application Serial No. \_\_\_\_\_

Title of the Invention:

QUENCHING APPARATUS FOR A REACTOR

Inventors (assignors):

**JANG, Tae Young**: 99, Seorin-dong, Jongro-gu, Seoul 110-110, Republic of Korea  
**AHN, Min Ki**: Songjeong, 271, Galjeon-ri, Daesan-myeon, Changwon-si, Gyeongsangnam-do 641-922, Republic of Korea  
**BAE, Sun Hyuk**: Process Lab., SK R Center, Wonchon-dong, Yuseong-gu, Daejeon 305-712, Republic of Korea  
**KIM, Gyung Rok**: 303-1502, Expo Apt., Jeonmin-dong, Yuseong-gu, Daejeon 305-761, Republic of Korea  
**HWANG, Yoon Mang**: 108-1304, Chonggu Narae Apt., Jeonmin-dong, Yuseong-gu, Daejeon 305-729, Republic of Korea  
**PARK, Kyoong Sung**: 104-1506, Chonggu Narae Apt., Jeonmin-dong, Yuseong-gu, Daejeon 305-729, Republic of Korea  
**CHOI, Sun**: 109-101, Anusvill, Yongsan-dong, Yuseong-gu, Daejeon: 305-500, Republic of Korea  
**KIM, Myung Jun**: SK Gas, 7<sup>th</sup> Fl., SK Buildings, Seorin-dong, Jongro-gu, Seoul 110-728, Republic of Korea

Assignees:

**SK INNOVATION 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 Assignee.

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Jang Tae Young  
 Signature: JANG, Tae Young

2012.05.18  
 Date

<u>Min Ki Ahn</u>	<u>2012.5.21</u>
Signature: AHN, Min Ki	Date
<u>Sun Hyuk Bae</u>	<u>2012.5.21</u>
Signature: BAE, Sun Hyuk	Date
<u>G. R. Kim</u>	<u>2012.5.21</u>
Signature: KIM, Gyung Rok	Date
<u>hwang yoon mang</u>	<u>2012.05.18</u>
Signature: HWANG, Yoon Mang	Date
<u>PARK Kyoo sung</u>	<u>2012.05.18</u>
Signature: PARK, Kyoo Sung	Date
<u>Choi Sun</u>	<u>2012.5.21</u>
Signature: CHOI, Sun	Date
<u>Kim Myung Jun</u>	<u>2012.5.21</u>
Signature: KIM, Myung Jun	Date