

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Hee Young KIM</td><td>03/13/2008</td></tr><tr><td>Kyung Koo Yoon</td><td>03/13/2008</td></tr><tr><td>Yong Ki Park</td><td>03/13/2008</td></tr><tr><td>Won Choon Choi</td><td>03/13/2008</td></tr><tr><td>Won Wook So</td><td>03/13/2008</td></tr></tbody></table>	Name	Execution Date	Hee Young KIM	03/13/2008	Kyung Koo Yoon	03/13/2008	Yong Ki Park	03/13/2008	Won Choon Choi	03/13/2008	Won Wook So	03/13/2008	
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Won Choon Choi	03/13/2008												
Won Wook So	03/13/2008												
RECEIVING PARTY DATA													
Name:	Korea Research Institute of Chemical Technology												
Street Address:	100 Jang-dong, Yuseong-gu,												
City:	Daejeon												
State/Country:	REPUBLIC OF KOREA												
Postal Code:	305-343												
PROPERTY NUMBERS Total: 1													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12160241</td></tr></tbody></table>	Property Type	Number	Application Number:	12160241									
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Application Number:	12160241												
CORRESPONDENCE DATA													
Fax Number:	(212)588-0500												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
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NAME OF SUBMITTER:	Ronald R. Santucci												

CH \$40.00 12160241

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PATENT  
REEL: 021204 FRAME: 0487

Total Attachments: 2  
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## ASSIGNMENT

FOR ONE DOLLAR (\$1.00) and other valuable consideration, the receipt and sufficiency of which is hereby acknowledged, WE,

Name : KIM, Hee Young  
Address: 101-203 Hanbit Apt., Eoeun-dong Yuseong-gu, Daejeon, Republic of Korea

Name : YOON, Kyung koo  
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Name : SO, Won Wook  
Address: 125-404 Hanbit Apt., Eoeun-dong, Yuseong-gu, Daejeon 305-755, Republic of Korea

being joint inventors of certain improvements in

### APPARATUS AND METHODS FOR PREPARATION OF HIGH-PURITY SILICON RODS USING MIXED CORE MEANS

hereby assign unto KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY a corporation existing under the laws of Korea and having a place of business at 100 Jang-dong, Yuseong-gu, Daejeon 305-343, Republic of Korea, the entire right, title and interest in and to such invention, together with the patent rights and rights of protection to the same throughout the world, including any patent rights which may result from the application for United States Letters Patent based upon PCT/KR2007/002345 (U.S. Serial No. ) which designates the United States and preparatory to obtaining Letters Patent of the United States therefor and in and to any and all divisions, reissues, continuations and extensions thereof and in and to any Letters Patent that may be granted thereon; said invention, application and Letters Patent to be held and enjoyed by the said assignee for its own use and behoof and for the use and behoof of its successors and assigns, to the full end of the term from which said Letters Patent or other rights of protection may be granted, as fully and as entirely as the same would have been held and enjoyed by us had this assignment and sale not been made.

AND WE COVENANT, AGREE AND WARRANT that WE have a full and unencumbered title to the invention hereby assigned, and WE further covenant and agree that WE will, at any time upon request, without further compensation, execute and deliver any and all papers or instruments that in the opinion of the assignee may be necessary or desirable to secure said assignee the full enjoyment of the rights and properties herein conveyed or intended to be conveyed.

IN WITNESS WHEREOF, WE have hereto set our hand and seal this 10<sup>th</sup> day of

IN WITNESS WHEREOF, WE have hereto set our hand and seal this

*March*, 2008.

*13<sup>th</sup>* day of



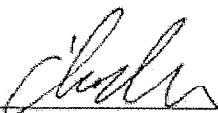
KIM, Hee Young



YOON, Kyung Koo



PARK, Yong Ki



CHOI, Won Choon

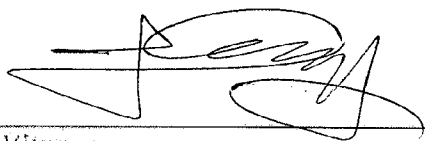


SO, Won Wook



Witness

Roh, Seung Bum



Witness

Jung, Kwang Hun