

# PATENT ASSIGNMENT

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT																
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT																
<b>CONVEYING PARTY DATA</b>																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Seok Jin Choi</td> <td>06/30/2009</td> </tr> <tr> <td>Jelliarko Palgunadi</td> <td>06/30/2009</td> </tr> <tr> <td>Je Eun Kang</td> <td>06/30/2009</td> </tr> <tr> <td>Hoon Sik Kim</td> <td>06/30/2009</td> </tr> <tr> <td>Sung Yeup Chung</td> <td>06/30/2009</td> </tr> </tbody> </table>		Name	Execution Date	Seok Jin Choi	06/30/2009	Jelliarko Palgunadi	06/30/2009	Je Eun Kang	06/30/2009	Hoon Sik Kim	06/30/2009	Sung Yeup Chung	06/30/2009				
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<b>PROPERTY NUMBERS Total: 1</b>																	
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<b>CORRESPONDENCE DATA</b>																	
<p>Fax Number: (617)227-4420</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 617-239-0100</p> <p>Email: cscherbel@eapdlaw.com</p> <p>Correspondent Name: EDWARDS ANGELL PALMER &amp; DODGE LLP</p> <p>Address Line 1: P.O. BOX 55874</p> <p>Address Line 4: BOSTON, MASSACHUSETTS 02205</p>																	

CH \$40.00 12570559

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**PATENT**  
 REEL: 023307 FRAME: 0071

ATTORNEY DOCKET NUMBER:	84181(51529)
NAME OF SUBMITTER:	Peter F. Corless
<p>Total Attachments: 8</p> <p>source=84181_Assignment#page1.tif</p> <p>source=84181_Assignment#page2.tif</p> <p>source=84181_Assignment#page3.tif</p> <p>source=84181_Assignment#page4.tif</p> <p>source=84181_Assignment#page5.tif</p> <p>source=84181_Assignment#page6.tif</p> <p>source=84181_Assignment#page7.tif</p> <p>source=84181_Assignment#page8.tif</p>	

## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, made this 30 day of June, 2009, by CHOI, Seok Jin; Jelliarko Palgunadi; KANG, Je Eun; KIM, Hoon Sik; and CHUNG, Sung Yeup (hereinafter referred to as Assignors), residing at 102-1408 Samsung 4-cha Apt., Pungdeokcheon-dong, Suji-gu, Yongin-si, Gyeonggi-do, REPUBLIC OF KOREA ; 102-ho 24-84 Sangwolgok-dong, Seongbuk-gu, Seoul, REPUBLIC OF KOREA ; 102-101 DooSan Apt., Gongneung 2-dong, Nowon-gu, Seoul, REPUBLIC OF KOREA ; 110-604 Donga Apt., Sangwolgok-dong, Seongbuk-gu, Seoul, REPUBLIC OF KOREA and 803-2002 Hyundai 8-danji, Gwangjang-dong, Gwangjin-gu, Seoul, REPUBLIC OF KOREA, respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in AMIDIUM-BASED IONIC LIQUIDS FOR CARBON DIOXIDE ABSORPTION, set forth in a Patent application for Letters Patent of the United States, filed herewith; and

**WHEREAS**, Hyundai Motor Company and Kia Motors Cooperation, a Corporation and Corporation, respectively organized under and pursuant to the laws of Korea, Republic of and Korea, Republic of, respectively having their principal places of business at 231, Yangjae-Dong, Seocho-Ku, Seoul, REPUBLIC OF KOREA; and 231, Yangjae-Dong, Seocho-Ku, Seoul, REPUBLIC OF KOREA, respectively (hereinafter referred to as Assignees), are desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, in consideration of good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and

reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

**AND** for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

**AND** Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee

of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

**AND** Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

EDWARDS ANGELL PALMER & DODGE LLP

All practitioners at Customer Number 21874

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

June 30, 2009

Date



CHOI, Seok Jin

**Witness:**

September 18, 2009

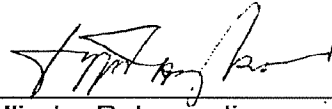
Date

Sun Young Baek

BAEK, Sun Young

June 30, 2009

Date



Jelliarko Palgunadi

**Witness:**

September 18, 2009

Date

Sun Young Bock

DAEK, Sun Young

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KANG, Je Eun

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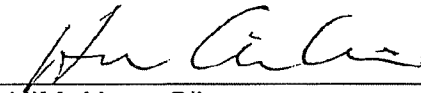
Sun Young Park

DAEK, Sun Young



June 30, 2009

Date



KIM, Hoon Sik

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September 18, 2009

Date

Sun Young Baek

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Date



CHUNG, Sung Yeup

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