

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	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>CheolGi Kim</td> <td>06/04/2010</td> </tr> <tr> <td>Dong Young Kim</td> <td>06/04/2010</td> </tr> <tr> <td>Jong-Ryul Jeong</td> <td>06/04/2010</td> </tr> <tr> <td>Quang Hung Tran</td> <td>06/04/2010</td> </tr> </tbody> </table>		Name	Execution Date	CheolGi Kim	06/04/2010	Dong Young Kim	06/04/2010	Jong-Ryul Jeong	06/04/2010	Quang Hung Tran	06/04/2010
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<b>RECEIVING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>The Industry &amp; Academic Cooperation in Chungnam National University (IAC)</td> </tr> <tr> <td>Street Address:</td> <td>Chungnam National University, 220, Gung-dong, Yuseong-gu</td> </tr> <tr> <td>City:</td> <td>Daejeon</td> </tr> <tr> <td>State/Country:</td> <td>REPUBLIC OF KOREA</td> </tr> <tr> <td>Postal Code:</td> <td>305-764</td> </tr> </table>		Name:	The Industry & Academic Cooperation in Chungnam National University (IAC)	Street Address:	Chungnam National University, 220, Gung-dong, Yuseong-gu	City:	Daejeon	State/Country:	REPUBLIC OF KOREA	Postal Code:	305-764
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<b>PROPERTY NUMBERS Total: 1</b>											
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<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (412)945-5933  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 412-471-8815        Email: assignments@webblaw.com        Correspondent Name: THE WEBB LAW FIRM, P.C.        Address Line 1: 700 KOPPERS BUILDING        Address Line 2: 436 SEVENTH AVENUE        Address Line 4: PITTSBURGH, PENNSYLVANIA 15219</p>											
ATTORNEY DOCKET NUMBER:	5038-103275										
NAME OF SUBMITTER:	Nathan J. Prepelka										
Total Attachments: 3											

OP \$40.00 12913433

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**PATENT**  
**REEL: 025205 FRAME: 0738**

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**RECORDATION FORM COVER SHEET**  
**PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

CheolGi KIM  
Dong Young KIM  
Jong-Ryul JEONG  
Quang Hung TRAN

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) June 4, 2010

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

**2. Name and address of receiving party(ies)**

Name: The Industry & Academic Cooperation in

Internal Address: Chungnam National University (IAC)

Street Address: Chungnam National University

220, Gung-dong, Yuseong-gu, Daejeon

City: \_\_\_\_\_

State: \_\_\_\_\_

Country: REPUBLIC OF KOREA Zip: 305-764

Additional name(s) & address(es) attached? ☐ Yes ☒ No

**4. Application or patent number(s):**

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

12/913,433

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Richard L. Byrne

Internal Address: The Webb Law Firm

Street Address: 436 Seventh Avenue  
700 Koppers Building

City: Pittsburgh

State: PA Zip: 15219

Phone Number: 412-471-8815

Fax Number: 412-945-5933

Email Address: assignments@webblaw.com

**6. Total number of applications and patents involved: 1**

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

- ☒ Authorized to be charged by credit card  
☐ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers 4775  
Expiration Date 05/2012

b. Deposit Account Number 23-0650

Authorized User Name \_\_\_\_\_

**9. Signature:**



Signature

October 27, 2010

Date

Nathan J. Prepelka, Registration No. 43,016

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

3

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

**ASSIGNMENT**

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

- ☒ United States of America rights, title and interest in the invention
- ☒ Foreign rights, title and interest in the invention
- ☐ International Application No.

Date of Filing:

- ☐ For which an application for a U.S. Patent was executed on \_\_\_\_\_
- ☐ United States Patent Application Serial No. \_\_\_\_\_

Date of Filing: \_\_\_\_\_

Title of the Invention: MAGNETIC SENSOR

Inventors (Assignors): KIM, CheolGi/ KIM, Dong Young/ JEONG, Jong-Ryul/ Tran Quang Hung

Assignee(s): THE INDUSTRY & ACADEMIC COOPERATION IN CHUNGNAM  
NATIONAL UNIVERSITY(IAC)

(Chungnam National University, 220, Gung-dong, Yuseong-gu, Daejeon 305-764  
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.

KIM, CheolGi  
Signature: Cheol Gi Kim

June 4, 2010  
Date

KIM, Dong Young  
Signature: DY Kim

June 4, 2010  
Date

JEONG, Jong-Ryul  
Signature: JR Jeong

June, 4, 2010  
Date

Tran Quang Hung  
Signature: Thung

June 4, 2010  
Date