PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT	
NATURE OF CONVEYANCE:	Corrective Assignment to correct the receiving party's country previously recorded on Reel 027709 Frame 0221. Assignor(s) hereby confirms the FROM Korea, Democratic People's Republic of TO Republic of Korea.	

CONVEYING PARTY DATA

Name	Execution Date
Nam Pyo Suh	01/13/2012
Soon Heung Chang	01/13/2012
Dong Ho Cho	01/13/2012
Gyu Hyeong Cho	01/13/2012
Chun Taek Rim	01/13/2012

RECEIVING PARTY DATA

Name:	Korea Advanced Institute of Science and Technology	
Street Address:	373-1 Guseong-dong	
Internal Address:	Yuseong-gu	
City:	Daejeon	
State/Country:	KOREA, REPUBLIC OF	
Postal Code:	305-701	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	13262879	

CORRESPONDENCE DATA

Fax Number:

(617)646-8646

Phone:

6176468398

Email:

patents_TommyF@wolfgreenfield.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.

Correspondent Name: Thomas A. Franklin Address Line 1: 600 Atlantic Avenue

Address Line 2: Wolf, Greenfield & Sacks, P.C.

Address Line 4: Boston, MASSACHUSETTS 02210

ATTORNEY DOCKET NUMBER: 00333.70000US00

NAME OF SUBMITTER: Thomas A. Franklin

Signature: /Thomas A. Franklin/

Date: 03/27/2012

Total Attachments: 4

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RECEIPT INFORMATION

EPA\$ ID:

PAT1901559

Receipt Date:

03/27/2012

Fee Amount:

\$40

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PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name Name	Execution Date
Nam Pyo Suh	01/13/2012
Soon Heung Chang	01/13/2012
Dongho Cho	01/13/2012
Gyu Hyeong Cho	01/13/2012
Chun Taek Rim	01/13/2012

RECEIVING PARTY DATA

Name:	Korean Advanced Institute of Science and Technology	
Street Address:	373-1 Guseong-dong, Yuseong-gu	
City:	Daejeon	
State/Country:	KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF	
Postal Code:	305-701	

PROPERTY NUMBERS Total: 1

Property Type	Number
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CORRESPONDENCE DATA

Fax Number: (617)646-8646 Phone: 6176468000

Email: mchlusano@wolfgreenfield.com

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via US Mall.

Correspondent Name: Robert H. Walat
Address Line 1: 600 Atlantic Avenue

Address Line 2: Wolf, Greenfield & Sacks, P.C.

Address Line 4; Boston, MASSACHUSETTS 02210-2206

ATTORNEY DOCKET NUMBER: 00333.70000US00

NAME OF SUBMITTER: Melanie Chiusano PATENT

REEL: 028096 FRAME: 0204

OF 540,00 1325287

Attorney Docket No. 00333,70000US00

Page 1 of 8

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, i, the undersigned Assignor, hereby:

- Sell, assign and transfer to Korean Advenced institute of Science and Technology, having a place of business at 373-1 Gussong-dong, Yussong-gu, REPUBLIC OF KOREA 305-701, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, my entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on October 4, 2011 under No. 13/262,879, bearing Attorney Docket No. 00333.70000US00, and entitled ULTRA SLIM POWER SUPPLY DEVICE AND POWER ACQUISITION DEVICE FOR ELECTRIC VEHICLE, and in and to the application and all corresponding provisional, non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, Internationally, and in any foreign country, including but not limited to China, Japan and Koree, on any of the inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on the inventions, including the right to apply for patent rights in each foreign country and all rights to priority, including the right to claim priority for China, Japan and Korea, as well as the right to sue in its own name and recover damages for past infringement of any United States Letters Palent and foreign patent;
- 2. Agree that the Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for the inventions in its own name; and when requested, without charge to but at the expense of the Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all the inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to the Assignee all facts known to me relating to the inventions and the history thereof, and generally by doing everything reasonably possible which the Assignee shall consider desirable for alding in securing and maintaining proper protection for the inventions and for vesting ittle to the inventions and all applications for patents and all patents on the inventions, in the Assignee;
- Request the Director of the United States Petent and Trademark Office and non-US
 patent authorities to issue the Letters Patent to the Assignee;
- 4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing patent/application information or correct any errors in the patent/application identification information provided above, whether discovered prior to or after recordation:
- 5. Covenant with the Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me; and
- 6. Appoint Assignee, through its designee, my attorney-in-fact to execute, in my name and on my behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

This instrument is executed under seal and signed under the pains and penalties of perjury under the laws of the United States of America.

Altomoy Docket No. 00333.70000US00

Page 2 of 8

Jan. 13, 2012	want at
Date	Inventor: Nam Pyo Sub
	Address: Korsen Advenced Institute of Science and Technology
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	Yusaong-Gu
	Daajeon
	REPUBLIC OF KOREA 305-701
	Citizenship: U.S.A.
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Attorney Decket No. Q0333,70000U800		Page 3 of 6
Date	Inventor:	Soon Heung Chang
		Korean Advanced Institute of Science and Technology
		373-1 Guescong-dong
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		REPUBLIC OF KOREA 305-701
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Attorney Docket No. 00333,70000US00

Page 4 of 8

Date	Inventor:	Dongho Cho
	Addrees;	Korean Advanced Institute of Science and Technology
		373-1 Guseong-dong
		Yussong-Gu
		Daejech
		REPUBLIC OF KOREA 305-701
	Citizenship:	Republic of Korea
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Attorney Docket No. 00333,70000US00		Page 5 of
Date	Inventor:	Gyu Hyeong Cho
	Addrass:	Korean Advanced Institute of Science and Technology
		373-1 Guseong-dong
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		REPUBLIC OF KOREA 305-701
	Citizenship:	Republic of Kores
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Attorney Docket No. 00333,70000US00		Paga 6 of 8
Date	Inventor:	Chun Teak Rim
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		373-1 Guseong-dong
		Yuseong-Gu
		Daejeon
		REPUBLIC OF KOREA 306-701
	Citizenahip:	Republic of Korea
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Attorney Docket No. 00333.70000US00

Page 1 of 6

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned Assignor, hereby:

- 1. Sell, assign and transfer to Korean Advenced Institute of Science and Technology, having a place of business at 373-1 Guseong-dong, Yuseong-gu, REPUBLIC OF KOREA 305-701, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, my entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on October 4, 2011 under No. 13/262,879, bearing Attorney Docket No. 00333.70000US00, and entitled ULTRA SLIM POWER SUPPLY DEVICE AND POWER ACQUISITION DEVICE FOR ELECTRIC VEHICLE, and in and to the application and all corresponding provisional, non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, Industrial designs or similar intellectual property rights which have been or shall be filed in the United States, Internationally, and in any foreign country, including but not limited to China, Japan and Korea, on any of the inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on the inventions, including the right to apply for patent rights in each foreign country and all rights to priority, including the right to claim priority for China, Japan and Korea, as well as the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent;
- 2. Agree that the Assignes may apply for and receive Letters Petent and utility model and industrial design registrations for the inventions in its own name; and when requested, without charge to but at the expense of the Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, release, and all other patent, utility model and industrial design applications on any and all the inventions, by executing all rightful cathe, assignments, powers of attorney and other papers, by communicating to the Assignee all facts known to me relating to the inventions and the history thereof, and generally by doing everything researably possible which the Assignee shall consider desirable for aiding in securing and maintaining proper protection for the inventions and for vesting title to the inventions and all applications for patents and all patents on the inventions, in the Assignee;
- 3. Request the Director of the United States Patent and Trademerk Office and non-US patent authorities to issue the Letters Patent to the Assignee;
- 4. Authorize and request Wolf, Graenfield & Sacke, P.C. to supply any missing patent/application identification information or correct any errors in the patent/application identification information provided above, whether discovered prior to or after recordation:
- 5. Covenant with the Assignee that no easignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me; and
- 6. Appoint Assignee, through its designee, my attorney-in-fact to execute, in my name and on my behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

This instrument is executed under seal and signed under the pains and penalties of perjury under the laws of the United States of America.

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Attomay Docket No. 00333,70000US00		Page 2 of 6
Date	inventor;	Nam Pyo Suh
	Address:	Korean Advanced Institute of Science and Technology
		373-1 Guseong-dong
		Yuseong-Gu
		Daejeon
		REPUBLIC OF KOREA 305-701
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Attorney Docket No. 00333,70000US00

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	REPUBLIC OF KOREA 305-701
	Citizenship: Republic of Korea
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Attorney Docket No. 00333.70000USQ0		Page 4 of 8
Date	Inventor:	Dongho Cho
	Address:	Korean Advanced Institute of Science and Technology
		373-1 Queeong-dong
		Yuseong-Gu
		Daejeon
		REPUBLIC OF KOREA 305-701
	Citizenship:	Republic of Korea
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Attorney Docket No. 00333.70000US00		Page 8 of 6
Data	Inventor:	Gyu Hyeong Cho
	Address:	
		373-1 Guseong-dong
		Yusenng-Gu
		Daejeon
		REPUBLIC OF KOREA 305-701
	Citizenship:	Republic of Korea
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Attorney Docket No. Q0333,70000UB00		Page 8 of 8
Date	Inventor:	Chun Taek Rim
	Address:	Korean Advanced Institute of Science and Technology
		373-1 Guseong-dang
		Yussong-Qu
		Daejeon.
	5 10	REPUBLIC OF KOREA 305-701
	Oluzensnip:	Republic of Korea
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Attorney Docket No. 00333.70000USDD

Page 1 of 6

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned Assignor, hereby:

- 1. Sell, assign and transfer to Korean Advanced institute of Science and Technology, having a place of business at 373-1 Guseong-dong, Yuseong-gu, REPUBLIC OF KOREA 305-701, its successors, assigns and lagal representatives, all hereinafter referred to as the Assignee, my entire right, title and interest for the United States and all foreign countries, in and to any end all inventions and designs which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on October 4, 2011 under No. 13/262,879, bearing Attorney Docket No. 00333,70000US00, and entitled ULTRA SLIM POWER SUPPLY DEVICE AND POWER ACQUISITION DEVICE FOR ELECTRIC VEHICLE, and in end to the application and all corresponding provisional, non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country, including but not limited to China, Japan and Korea, on any of the inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on the inventions, including the right to apply for patent rights in each foreign country and all rights to priority, including the right to claim priority for China, Japan and Korea, as well as the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent;
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This instrument is executed under seal and signed under the pains and penalties of perjury under the laws of the United States of America.

Date Inventor: Nam Pyo Suh Address: Korean Advanced Institut Technology 373-1 Guseong-dong Yuseong-Gu Daejson REPUBLIC OF KOREA: Citizenship: U.S.A. Witness: Name: Address:	Page 2 of 6
Address: Karesn Advanced Institut Technology 373-1 Guseong-dong Yuseong-Gu Dasjson REPUBLIC OF KOREA : Citizenship: U.S.A. Witness: Name: Address:	
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Attorney Docket No. 00383,70000US00

Page 3 of 6

Date	. Inventor:	Soon Heung Chang
	Address:	Korean Advanced institute of Science and Technology
	441	373-1 Guseong-dong
		Yuseong-Gu
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Amonias Decret No. 00350; 700000800		Page 5 of \$
Date	Inventor:	Gyu Hyeong Cho
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		373-1 Gussong-dong
		Yuseong-Gu
		Daejeon
		REPUBLIC OF KOREA 305-701
	Citizenship:	Republic of Korea
Witness:		
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Attorney Docket No. 00333.70000US00		Page 8 of 8
Date		Chun Teek Rim
	Addrese:	Korean Advanced Institute of Science and Technology
	•	373-1 Guseong-dong
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Attorney Docket No. 00333,70000U500

Page 1 of 8

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For good and valuable consideration, the receipt of which is hereby acknowledged. I, the undersigned Assignor, hereby:

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This instrument is executed under seal and signed under the pains and penalties of perjury under the laws of the United States of America.

Altomey Docket No. 00333,70000U\$00		Page 2 of 8
Date	inventor:	Nam Pyo Suh
	Address;	
		373-1 Guseong-dong
		Yuseong-Gu
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	Citizenship:	U.S.A.
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Attorney Docket No. Q0333,70000US00

Page 5 of 6

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Witness:		Signature	
		Name: Address:	
Witness:			
Date		Signature Name: Address:	

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Attorney Docket No. 00333,70000US00		Page 4 of 8
•		
Date	Inventor.	Dengho Cho
	Address:	Korean Advanced institute of Science and Technology
		373-1 Guseong-dong
		Yuseong-Gu
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		REPUBLIC OF KOREA 305-701
	Citizenship:	Republic of Kores
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Bignature

Name: Address:

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PATENT REEL: 028096 FRAME: 0227

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Attorney Docket No. 00333,70000U900		Pege 6 of 5
Date		Chun Taek Rim
	Addrese:	Technology
		373-1 Guseong-dong
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		REPUBLIC OF KOREA 305-701
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Attorney Docket No. 00333.70000USDD

Page 1 of 6

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, i, the undersigned Assignor, hereby:

- 1. Sell, assign and transfer to Korean Advanced institute of Science and Technology, having a place of business at 373-1 Guseong-dong, Yuseong-gu, REPUBLIC OF KOREA 305-701, its successors, assigns and legal representatives, all hereinafter referred to se the Assignes, my entire right, title and interest for the United States and all foreign countries, in and to any end all inventions and designs which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on October 4, 2011 under No. 13/262,879, bearing Attorney Docket No. 00333.70000US00, and entitled ULTRA SLIM POWER SUPPLY DEVICE AND POWER ACQUISITION DEVICE FOR ELECTRIC VEHICLE, and in and to the application and all corresponding provisional, non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country, including but not limited to China, Japan and Korea, on any of the inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on the inventions, including the right to apply for patent rights in each foreign country and all rights to priority, including the right to claim priority for China, Japan and Korea, as well as the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent;
- 2. Agree that the Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for the inventions in its own name; and when requested, without charge to but at the expense of the Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all the inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to the Assignee all facts known to me relating to the inventions and the history theraof, and generally by doing everything reasonably possible which the Assignee shall consider desirable for alding in securing and maintaining proper protection for the inventions and for vesting title to the inventions and all applications for patents and all patents on the inventione, in the Assignee;
- 3. Request the Director of the United States Patent and Trademark Office and non-US patent authorities to issue the Letters Patent to the Assignee;
- 4. Authorize and request Wolf, Graenfield & Sacks, P.C. to supply any missing patent/application information or correct any errors in the patent/application identification information provided above, whether discovered prior to or after recordation;
- 5. Covenant with the Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me; and
- 6. Appoint Assignee, through its designee, my attorney-in-fact to execute, in my name and on my behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

This instrument is executed under seal and signed under the pains and penalties of perjury under the laws of the United States of America.

Attorney Docket No. 00933,70000US00		Page 2 of 5
Date	Invantor:	Nam Pyo Suh
		Korsan Advanced Institute of Science and Technology
		373-1 Guseong-dong
		Yuesong-Qu
		Daejeon
		REPUBLIC OF KOREA 305-701
	Citizenship:	U.S.A.
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Witness:		
Date	Signature	
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	Address:	

Attorney Docket No. 00333,70000US00

Date Inventor: Seen Heung Chang Address: Korean Advanced Institute of Science and Technology 373-1 Gueeong-dong Yuseong-Gu Desjeon REPUBLIC OF KOREA 305-701 Citizenship: Republic of Korea Witness: Date Signature Name: Address:	Attorney Docket No. 00333,70000US00		Page 3 of 6
Address: Korean Advanced Institute of Science and Technology 373-1 Guseong-dong Yuseong-Gu Daejson REPUBLIC OF KOREA 305-701 Citizenship: Republic of Korea			
Address: Korean Advanced Institute of Science and Technology 373-1 Guaeong-dong Yuseong-Gu Daejeon REPUBLIC OF KOREA 305-701 Citizenship: Republic of Korea Witness: Date Signature Name: Address:	Date	Inventor:	Seen Haung Chang
Yuseong-Gu Desjeon REPUBLIC OF KOREA 305-701 Citizenship: Republic of Korea Witness: Date Signature Name: Address: Witness:			Korean Advanced Institute of Science and
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Attorney Docket No. 00333,70000US00

Page 4 of 8

Date Inventor: Dongho Cho Address: Korean Advanced Institute of Science and Technology 373-1 Guseong-dong Yuseong-Gu Daejeon REPUBLIC OF KOREA 305-701 Citizenship: Republic of Korea Witness: Date Signature Name: Address: Witness! Signature Date Name: Addrese:

Attorney Docket No. 00333,70000US00		Page 5 of 6
Date	Inventor:	Gyu Hyeong Cho
	Address:	
		373-1 Quaeong-dong
		Yuseong-Gu
		Daejeon
		REPUBLIC OF KOREA 305-701
	Citizenahip;	Republic of Korea
Witness:		
Date	Signature	<u> </u>
	Name:	
	Address:	•
Witness:		,
Date	Signature	<u> </u>
-	Name:	
	Address:	
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Aflomey Docket No. 00333,70000US00	Page 8 of 6
Jan. 13, 2012	Suco
	entor: Chun Tuek Rim
Add	dress: Korean Advanced Institute of Science and Technology
	373-1 Gussong-dong
	Yueeong-Gu
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Date Sig	gnature
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PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the receiving party's country previously recorded on Reel 027709 Frame 0221. Assignor(s) hereby confirms the FROM Korea, Democratic People's Republic of TO Republic of Korea.

CONVEYING PARTY DATA

Name	Execution Date
Nam Pyo Suh	01/13/2012
Soon Heung Chang	01/13/2012
Dong Ho Cho	01/13/2012
Gyu Hyeong Cho	01/13/2012
Chun Taek Rim	01/13/2012

RECEIVING PARTY DATA

Name:	Korea Advanced Institute of Science and Technology
Street Address:	373-1 Guseong-dong
Internal Address:	Yuseong-gu
City:	Daejeon
State/Country:	KOREA, REPUBLIC OF
Postal Code:	305-701

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number;	13262879

CORRESPONDENCE DATA

Fax Number: (617)646-8646 Phone: 6176468398

Email: patents_TommyF@wolfgreenfield.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: Thomas A. Franklin Address Line 1: 600 Atlantic Avenue

Address Line 2: Wolf, Greenfield & Sacks, P.C.
Address Line 4: Boston, MASSACHUSETTS 02210

RECORDED: 04/20/2012

<u>PATENT</u>

REEL: 028096 FRAME: 0235