

# PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Chanro PARK	08/06/2010
Sangduk PARK	08/08/2010
Paul D. KIRSCH	07/08/2010
David GILMER	06/25/2010
Chang Yong KANG	07/21/2010
Joel BARNETT	06/25/2010
RECEIVING PARTY DATA	
Name:	SEMATECH, INC.
Street Address:	2706 Montopolis Drive
City:	Austin
State/Country:	TEXAS
Postal Code:	78741
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12794251
CORRESPONDENCE DATA	
Fax Number:	(512)536-4598
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Email:	cnorred@fulbright.com
Correspondent Name:	Casey Norred c/o Anuj D. Dharia
Address Line 1:	600 Congress Ave.
Address Line 2:	Suite 2400
Address Line 4:	Austin, TEXAS 78701
ATTORNEY DOCKET NUMBER:	SEMB:071US/10910600
NAME OF SUBMITTER:	Anuj D. Dharia

OP \$40.00 12794251

**501282993**

**PATENT**  
**REEL: 024945 FRAME: 0219**

**Total Attachments: 8**

source=SEMB071US-Assignment#page1.tif

source=SEMB071US-Assignment#page2.tif

source=SEMB071US-Assignment#page3.tif

source=SEMB071US-Assignment#page4.tif

source=SEMB071US-Assignment#page5.tif

source=SEMB071US-Assignment#page6.tif

source=SEMB071US-Assignment#page7.tif

source=SEMB071US-Assignment#page8.tif

**PATENT**

**REEL: 024945 FRAME: 0220**

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do hereby:

SELL, ASSIGN AND TRANSFER to SEMATECH, INC. (the "Assignee"), having a place of business at 2706 Montopolis Drive, Austin, Texas 78741, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent, Serial No. **12/794,251**, which has been filed on **June 4, 2010** and is entitled "**CAPACITORS, SYSTEMS, AND METHODS**," such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

The assignment of said invention is effective as of the earlier of (1) the date of execution shown below or (2) the filing date of the first filed of said patent applications.

Signature: [Signature]  
Name: Chanro PARK

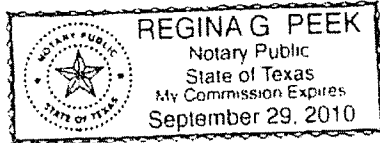
Date: 6<sup>th</sup> August 2010

STATE OF TEXAS  
COUNTY OF TRAVIS

BEFORE ME, the undersigned authority, on this 6<sup>th</sup> day of August, 2010 personally appeared Chanro PARK, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

[Signature]  
Notary or Consular Officer

[SEAL]



Signature: \_\_\_\_\_  
Name: Sangduk PARK

Date: \_\_\_\_\_

STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_

BEFORE ME, the undersigned authority, on this \_\_\_\_ day of \_\_\_\_\_, 2010 personally appeared Sangduk PARK, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

\_\_\_\_\_  
Notary or Consular Officer

[SEAL]

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Name: Paul D. KIRSCH

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

BEFORE ME, the undersigned authority, on this \_\_\_\_ day of \_\_\_\_\_, 2010 personally appeared Paul D. KIRSCH, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

\_\_\_\_\_  
Notary or Consular Officer

[SEAL]

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Name: David GILMER

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

BEFORE ME, the undersigned authority, on this \_\_\_\_ day of \_\_\_\_\_, 2010 personally appeared David GILMER, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

\_\_\_\_\_  
Notary or Consular Officer

[SEAL]

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Name: Chang Yong KANG

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

BEFORE ME, the undersigned authority, on this \_\_\_\_ day of \_\_\_\_\_, 2010 personally appeared Chang Yong KANG, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

\_\_\_\_\_  
Notary or Consular Officer

[SEAL]

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Name: Joel BARNETT

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

BEFORE ME, the undersigned authority, on this \_\_\_\_ day of \_\_\_\_\_, 2010 personally appeared Joel BARNETT, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

\_\_\_\_\_  
Notary or Consular Officer

[SEAL]

FULBRIGHT & JAWORSKI L.L.P.  
600 Congress Avenue, Suite 2400  
Austin, Texas 78701

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do hereby:

SELL, ASSIGN AND TRANSFER to SEMATECH, INC. (the "Assignee"), having a place of business at 2706 Montopolis Drive, Austin, Texas 78741, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent, Serial No. **12/794,251**, which has been filed on **June 4, 2010** and is entitled "**CAPACITORS, SYSTEMS, AND METHODS**," such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

The assignment of said invention is effective as of the earlier of (1) the date of execution shown below or (2) the filing date of the first filed of said patent applications.

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Name: Chanro PARK

STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_

BEFORE ME, the undersigned authority, on this \_\_\_\_ day of \_\_\_\_\_, 2010 personally appeared Chanro PARK, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

\_\_\_\_\_  
Notary or Consular Officer

[SEAL]

Signature: Park Sang Duk  
Name: Sangduk PARK

Date: August 8, 2010

STATE OF Gyeonggi-do  
COUNTY OF \_\_\_\_\_

BEFORE ME, the undersigned authority, on this 8 day of August, 2010 personally appeared Sangduk PARK, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

Kim Ji (Jin Suk. Han)  
Notary or Consular Officer

[SEAL]



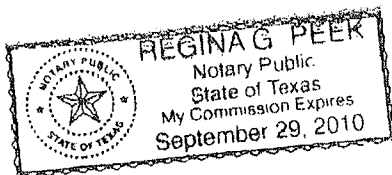
Signature: Paul D. Kirsch  
Name: Paul D. KIRSCH

Date: 7/8/10

STATE OF TEXAS  
COUNTY OF TRAVIS

BEFORE ME, the undersigned authority, on this 8<sup>th</sup> day of July, 2010 personally appeared Paul D. KIRSCH, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

[SEAL]



Regina G. Peek

Notary or Consular Officer

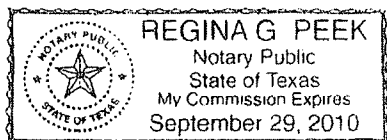
Signature: David Gilmer  
Name: David GILMER

Date: June 25, 2010

STATE OF TEXAS  
COUNTY OF TRAVIS

BEFORE ME, the undersigned authority, on this 25<sup>th</sup> day of June, 2010 personally appeared David GILMER, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

[SEAL]



Regina G. Peek

Notary or Consular Officer

Signature: [Signature]  
Name: Chang Yong KANG

Date: 7/21/10

STATE OF TEXAS  
COUNTY OF TRAVIS

BEFORE ME, the undersigned authority, on this 21<sup>st</sup> day of July, 2010 personally appeared Chang Yong KANG, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

[Signature]  
Notary or Consular Officer

[SEAL]

Signature: [Signature]  
Name: Joel BARNETT

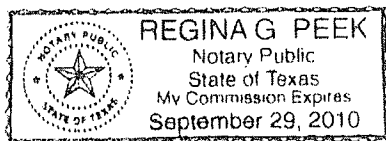
Date: 25-JUNE-2010

STATE OF TEXAS  
COUNTY OF TRAVIS

BEFORE ME, the undersigned authority, on this 25 day of June, 2010 personally appeared Joel BARNETT, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

[Signature]  
Notary or Consular Officer

[SEAL]



FULBRIGHT & JAWORSKI L.L.P.  
600 Congress Avenue, Suite 2400  
Austin, Texas 78701