

Form PTO-1595  
(Rev. 10/02)

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OMB No. 0651-0027 (exp. 6/30/2005)



Tab settings

102616471

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): 11-28-03  
KUG SUN HONG; DONG WAN KIM;  
HYUN SEUNG YU; HEE BUM HONG;  
JEONG RYEOL KIM; IN SUN CHO

2. Name and address of receiving party(ies)  
Name: SEOUL NATIONAL UNIVERSITY

Internal Address: \_\_\_\_\_

Street Address: San 56-1, Shillim-dong,  
Kwanak-ku

City: Seoul, Korea

17802 U.S. PTO  
10/7/2249

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

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Execution Date: 11/6/03; 11/5/03; 10/29/03; 11/5/03; 10/29/03; 10/29/03

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

4. Application number(s) or patent number(s): 11/6/03; 11/5/03; 10/29/03; 11/5/03; 10/29/03;  
If this document is being filed together with a new application, the execution date of the application is: 10/29/03

A. Patent Application No.(s) \_\_\_\_\_

B. Patent No.(s) \_\_\_\_\_

1072249/

Additional numbers attached?  Yes  No

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

Name: Morton J. Rosenberg, Esq.  
Internal Address: Rosenberg, Klein & Lee

Street Address: 3458 Ellicott Center Drive,  
Suite 101

City: Ellicott City State: MD Zip: 21043

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

18-2011

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9. Signature.

Morton J. Rosenberg  
Name of Person Signing

Morton J. Rosenberg  
Signature

11/26/03  
Date

Total number of pages including cover sheet, attachments, and documents: 3

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

12/03/2003 WABDELRI 00000001 10722491

02 FC:8021

40.00 DP

ASSIGNMENT DEED

This Assignment agreement is applicable to an invention entitled (invention Title) PHOSPHATE-BASED CERAMIC COMPOSITIONS WITH LOW DIELECTRIC CONSTANT AND METHOD FOR MANUFACTURING DIELECTRIC SUBSTRATE USING THE SAME

The PATENT RIGHTS referred to in this agreement are:

- (Check one) [X] a Patent Application for this invention, executed by the ASSIGNOR(s) concurrently with this Assignment
[ ] U.S. Patent Application Serial No. \_\_\_\_\_, filed \_\_\_\_\_
[ ] U.S. Patent No. \_\_\_\_\_, issued \_\_\_\_\_

The PATENT RIGHTS assigned under this agreement are:

- (Check one) [X] U.S. Patent rights only
[ ] worldwide Patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date of any U.S. Patent Application identified above.

The ASSIGNOR(s) referred to in this agreement is (or are):

(Full name of first assignor) Kug Sun HONG
(Address) Sampoong Apt. 11-1502, Seocho 4-dong, Seocho-ku, Seoul, Korea

(Full name of second assignor, if any) Dong Wan KIM
(Address) Byeoksan Apt. 521-611, Siheung 2-dong, Geumchon-ku, Seoul, Korea

(Full name of third assignor, if any) Hyun Seung YU
(Address) 178-61 Bongcheon 11-dong, Kwanak-ku, Seoul, Korea

(Full name of fourth assignor, if any) Hee Bum HONG
(Address) 10-191 Sillimbon-dong, Kwanak-ku, Seoul, Korea

The First ASSIGNEE referred to in this agreement is:

(Name of Assignee) SEOUL NATIONAL UNIVERSITY
(Address of Assignee) San 56-1, Shillim-dong, Kwanak-ku, Seoul, Korea

The Second ASSIGNEE referred to in this agreement is:

(Name of Assignee) \_\_\_\_\_
(Address of Assignee) \_\_\_\_\_

The First ASSIGNEE is:

- (Check one) [ ] an individual
[ ] a partnership
[X] a Corporation of Korea
(State or Country)

The Second ASSIGNEE is:

- (Check one) [ ] an individual
[ ] a partnership
[ ] a Corporation of \_\_\_\_\_
(State or Country)

[ ] Additional assignees are being named on separately numbered sheets attached hereto.

The ASSIGNOR(S), in consideration of \$1.00 paid by each ASSIGNEE, and other good and valuable consideration, receipt of which is acknowledged, have and do hereby assign the following to each ASSIGNEE; their successors and assigns:

- the full and exclusive right to the invention;
an equal interest in and to the entire right, title and interest in and to the PATENT RIGHTS in the invention, all continuations, continuations-in-part, divisionals, re-issues, and re-examination patents and patent applications; and the right to claim priority under 35 U.S.C. 119, based on any earlier foreign applications for this invention.

As to all U.S. Patent Applications assigned under this Agreement, the ASSIGNOR(S) hereby authorize(s) and requests the Director of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE(s) as the ASSIGNEE(s) of an equal interest in the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE(s), their successors and assigns.

Further, the ASSIGNOR(s) agree(s) to communicate to said ASSIGNEE(s), or their representatives, any facts known to the ASSIGNOR(s) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE(s), make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE(s), their successors and assigns, to obtain and enforce proper protection for said invention.

Kug Sun Hong KUG SUN HONG 11. 6. 2003
(Signature of sole or first assignor) (HONG IS FAMILY NAME) (Date)

KDW DONG WAN KIM (KIM IS FAMILY NAME) 11. 5. 2003
(Signature of second assignor, if any) (Date)

Hyun Seung Yu HYUN SEUNG YU (YU IS FAMILY NAME) 10. 29. 2003
(Signature of third assignor, if any) (Date)

Hee Bum Hong HEE BUM HONG (HONG IS FAMILY NAME) 11. 5. 2003
(Signature of fourth assignor, if any) (Date)

ASSIGNMENT DEED

This Assignment agreement is applicable to an invention entitled (invention Title) PHOSPHATE-BASEDCERAMIC COMPOSITIONS WITH LOW DIELECTRIC CONSTANT AND METHOD FOR MANUFACTURING DIELECTRIC SUBSTRATE USING THE SAME

The PATENT RIGHTS referred to in this agreement are:

- (Check one)  a Patent Application for this invention, executed by the ASSIGNOR(s) concurrently with this Assignment
 U.S. Patent Application Serial No. \_\_\_\_\_, filed \_\_\_\_\_
 U.S. Patent No. \_\_\_\_\_, issued \_\_\_\_\_

The PATENT RIGHTS assigned under this agreement are:

- (Check one)  U.S. Patent rights only
 worldwide Patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date of any U.S. Patent Application identified above.

The ASSIGNOR(s) referred to in this agreement is (or are):

(Full name of first assignor) Jeong Ryeol KIM
(Address) Imaechon Samsung Apt. 1012-302, Bundang-ku, Seongnam-si, Kyungki-do, Korea

(Full name of second assignor, if any) In Sun CHO
(Address) 633 Sineum-dong, Gimcheon-si, Gyeongsangbuk-do, Korea

(Full name of third assignor, if any) \_\_\_\_\_
(Address) \_\_\_\_\_

(Full name of fourth assignor, if any) \_\_\_\_\_
(Address) \_\_\_\_\_

The First ASSIGNEE referred to in this agreement is:

(Name of Assignee) SEOUL NATIONAL UNIVERSITY
(Address of Assignee) San 56-1, Shillim-dong, Kwanak-ku, Seoul, Korea

The Second ASSIGNEE referred to in this agreement is:

(Name of Assignee) \_\_\_\_\_
(Address of Assignee) \_\_\_\_\_

The First ASSIGNEE is:

- (Check one)  an individual
 a partnership
 a Corporation of Korea
(State or Country)

The Second ASSIGNEE is:

- (Check one)  an individual
 a partnership
 a Corporation of \_\_\_\_\_
(State or Country)

Additional assignees are being named on separately numbered sheets attached hereto.

The ASSIGNOR(S), in consideration of \$1.00 paid by each ASSIGNEE, and other good and valuable consideration, receipt of which is acknowledged, have and do hereby assign the following to each ASSIGNEE; their successors and assigns:
the full and exclusive right to the invention;
an equal interest in and to the entire right, title and interest in and to the PATENT RIGHTS in the invention, all continuations, continuations-in-part, divisionals, re-issues, and re-examination patents and patent applications; and the right to claim priority under 35 U.S.C. 119, based on any earlier foreign applications for this invention.

As to all U.S. Patent Applications assigned under this Agreement, the ASSIGNOR(S) hereby authorize(s) and requests the Director of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE(s) as the ASSIGNEE(s) of an equal interest in the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE(s), their successors and assigns.

Further, the ASSIGNOR(s) agree(s) to communicate to said ASSIGNEE(s), or their representatives, any facts known to the ASSIGNOR(s) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE(s), make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE(s), their successors and assigns, to obtain and enforce proper protection for said invention.

(Signature of Jeong Ryeol Kim or first assignor) JEONG RYEOL KIM (KIM IS FAMILY NAME) 10.29. 2003 (Date)

(Signature of In Sun Cho second assignor, if any) IN SUN CHO (CHO IS FAMILY NAME) 10.29. 2003 (Date)

(Signature of third assignor, if any) \_\_\_\_\_ (Date)

(Signature of fourth assignor, if any) \_\_\_\_\_ (Date)