

FORM PTO-1619A  
Expires 06/30/99  
OMB 0651-0027

04-03-2003

U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**



102405038

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

**Submission Type**

New

Resubmission (Non-Recordation)  
Document ID# \_\_\_\_\_

Correction of PTO Error  
Reel # \_\_\_\_\_ Frame # \_\_\_\_\_

Corrective Document  
Reel # \_\_\_\_\_ Frame # \_\_\_\_\_

**Conveyance Type**

Assignment  Security Agreement

License  Change of Name

Merger  Other \_\_\_\_\_

**U.S. Government**  
(For Use ONLY by U.S. Government Agencies)

Departmental File  Secret File

**Conveying Party(ies)**

Mark if additional names of conveying parties attached

Name (line 1) YOU HAN BAE Execution Date 10/24/2000  
Month Day Year

Name (line 2) \_\_\_\_\_

**Second Party**

Name (line 1) KUN NA Execution Date 10/24/2000  
Month Day Year

Name (line 2) \_\_\_\_\_

**Receiving Party**

Mark if additional names of receiving parties attached

Name (line 1) KWANGJU INSTITUTE OF SCIENCE AND TECHNOLOGY

Name (line 2) \_\_\_\_\_

Address (line 1) Oryong-dong 1, Buk-ku

Address (line 2) \_\_\_\_\_

Address (line 3) Kwangju Kwangyeok-si Korea \_\_\_\_\_  
City State/Country Zip Code

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name \_\_\_\_\_

Address (line 1) \_\_\_\_\_

Address (line 2) \_\_\_\_\_

Address (line 3) \_\_\_\_\_

Address (line 4) \_\_\_\_\_

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

11-7-00

**Correspondent Name and Address** Area Code and Telephone Number **410-465-6678**

Name **Morton J. Roenberg**

Address (line 1) **Rosenberg, Klein & Lee**

Address (line 2) **3444 Ellicott Center Drive, Suite 105**

Address (line 3) **Ellicott City, MD 21043**

Address (line 4)

**Pages** Enter the total number of pages of the attached conveyance document including any attachments. # **5**

**Application Number(s) or Patent Number(s)**  Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)			Patent Number(s)		
09/706,870					

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Month Day Year **10/24/2000**

**Patent Cooperation Treaty (PCT)**

Enter PGT application number only if a U.S. Application Number has not been assigned.

PCT  PCT  PCT

PCT  PCT  PCT

**Number of Properties** Enter the total number of properties involved. # **1**

**Fee Amount** Fee Amount for Properties Listed (37 CFR 3.41): \$ **40.00**

Method of Payment: Enclosed  Deposit Account

Deposit Account (Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: # **18-2011**

Authorization to charge additional fees: Yes  No

**Statement and Signature**

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Morton J. Roenberg *Morton J. Roenberg* 11/6/2000

Name of Person Signing Signature Date

RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY

Conveying Party(ies)

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) SEONG IL KANG

Execution Date  
Month Day Year  
10/24/2000

Name (line 2)

Name (line 1) JIN WOO YI

Execution Date  
Month Day Year  
10/24/2000

Name (line 2)

Name (line 1) MOON HEE HAN

Execution Date  
Month Day Year  
10/24/2000

Name (line 2)

Receiving Party(ies)

Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

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Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)


ASSIGNMENT DEED

This Assignment agreement is applicable to an invention entitled (invention Title) LIQUEFIED EMBOLIC MATERIALS CAPABLE OF SOL-GEL PHASE TRANSITION AND THEIR USE

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 sole or first inventor) You Han BAE  
(Address) Material Science and Engineering, Kwangju Institute of Science and Technology, Oryong-dong 1, Buk-ku, Kwangju Kwangyeok-si, Korea

(Full name of second joint inventor, if any) Kun NA  
(Address) Center for Biomaterials and Biotechnology, Kwangju Institute of Science and Technology, Oryong-dong 1, Buk-ku, Kwangju Kwangyeok-si, Korea

(Full name of third joint inventor, if any) Seong Il KANG  
(Address) Material Science and Engineering, Kwangju Institute of Science and Technology, Oryong-dong 1, Buk-ku, Kwangju Kwangyeok-si, Korea

The First ASSIGNEE referred to in this agreement is:  
(Name of Assignee) Kwangju Institute of Science and Technology  
(Address of Assignee) Oryong-dong 1, Buk-ku, Kwangju Kwangyeok-si, Korea

The Second ASSIGNEE referred to in this agreement is:  
(Name of Assignee) \_\_\_\_\_  
(Address of Assignee) \_\_\_\_\_

The Third 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)

The Third ASSIGNEE is:  
(Check one)  an individual  
 a partnership  
 a Corporation of \_\_\_\_\_  
(State or Country)

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; 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 Commissioner 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, 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.

You Han Bae YOU HAN BAE (BAE IS FAMILY NAME) Oct. 24, 2000  
(Signature of sole or first inventor) (Date)

Kun Na KUN NA (NA IS FAMILY NAME) Oct. 24, 2000  
(Signature of second inventor, if any) (Date)

Seong Il Kang SEONG IL KANG (KANG IS FAMILY NAME) Oct. 24, 2000  
(Signature of third inventor, if any) (Date)

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 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 sole or first inventor) Jin Woo Yi
(Address) Material Science and Engineering, Kwangju Institute of Science and Technology, Oryong-dong 1, Buk-ku, Kwangju Kwangyeok-si, Korea
(Full name of second joint inventor, if any) Moon Hee HAN
(Address) Department of Radiology Seoul National University College of Medicine, 28 Yeongeon-dong, Jongro-ku, Seoul, Korea
(Full name of third joint inventor, if any) \_\_\_\_\_
(Address) \_\_\_\_\_

The First ASSIGNEE referred to in this agreement is:

(Name of Assignee) Kwangju Institute of Science and Technology,
(Address of Assignee) Oryong-dong 1, Buk-ku, Kwangju Kwangyeok-si, Korea

The Second ASSIGNEE referred to in this agreement is:

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

The Third 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)

The Third ASSIGNEE is:

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

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; 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 Commissioner 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, 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.

JIN WOO YI (YI IS FAMILY) Oct. 24, 2000
(Signature of sole or first inventor) NAME (Date)
MOON HEE HAN Oct. 24, 2000
(Signature of second inventor, if any) (HAN IS FAMILY NAME) (Date)
(Signature of third inventor, if any) (Date)