FORM PTO-1619A Expired 08/30/99 GMB 0851-0027

04-03-2003



U.S. Department of Commerce Palant and Trademark Office PATENT

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	ATION FORM COVER SHEET PATENTS ONLY		
TO: The Commissioner of Patents and Tradema	rks: Please record the attached original document(s) or copy(les).		
Submission Type	Conveyance Type		
X New	X Assignment Security Agreement		
Resubmission (Non-Recordation) Document ID#	License Change of Name		
Correction of PTO Error Reel # Frame #	Merger Other U.S. Government		
Corrective Document Reel # Frame #	- (For Use ONLY by U.S. Government Agencies) Departmental File Secret File		
Conveying Party(les)	X Mark if additional names of conveying parties attached Execution Date		
Name (line 1) YOU HAN BAE	10/24/2000		
Name (line 2)	Execution Date		
Second Party Name (line 1) KUN NA	Month Day Year 10/24/2000		
Name (line 2)			
Receiving Party	Mark if additional names of receiving parties attached		
Name (Ine 1) KWANGJU INSTITUTE OF SC	is an assignment and the		
Name (line 2)	receiving party is not domiciled in the United States, an appointment		
Address (line 1) Oryong-dong I, Buk-ku	of a domestic representative is attached. (Designation must be 4		
Address (lina 2)	separate document from Assignment)		
Address (line 3) Kwangju Kwangyeok-si	Korea Zip Code		
Domestic Representative Name and A	idress 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

WHE-Se-03 MED TONSTIAM BOSENBERG KLEIN LEE

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FORM PTO-1619B Expires 04/34/99 OMB 0851-0027	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT		
Correspondent Name and Address	Area Code and Telephone Number	410-465-6678		
Name Morton J. Roenber	SE			
Address(line 1) Rosenberg, Klein	& Lee			
Address (line 2) 3444 Ellicott Cer	nter Drive. Suite 105			
Address(line 3) Ellicatt City, M	21043			
Address (line 4)				
Pages Enter the total number of including any attachment	pages of the attached conveyance docum s.	nent #		
Application Number(s) or Patent Nu	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	additional numbers attached		
Patent Application Number(s)	e Patent Number (DO NOT ENTER BOTH numbers , Patent	Number(s)		
09/706,870				
If this document is being filed together with a new Posigned by the first named executing inventor.	atent Application, enter the date the patent application	00 was Month Day Year 10/24/2000		
Patent Cooperation Treaty (PCT)	PCT PCT	РСТ		
Enter PCT application number only if a U.S. Application Number has not been assigned.		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 X Deposit Account				
(Enter for payment by deposit account or if a	dditional fees can be charged to the account.) Deposit Account Number:	‡ <u>18-2011</u>		
	Authorization to charge additional fees:	Yes X No		
Statement and Signature				
To the best of my knowledge and attached copy is a true copy of the indicated herein.	belief, the foregoing Information is true a e original document, Charges to deposit	account are authorized, as		
Morton J. Rosenberg	Marton 1 1 Jose	11/6/3100		
Name of Person Signing	Signature	Date		

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Conveying Party(ies) Enter additional Conveying Parties Mark if additional issues of conveying parties attached Resection Date Month Day Year 10/24/2000 Name (line 1) SEONG IL KANG Name (line 2) Resection Date Month Day Year 10/24/2000 Name (line 2) Receiving Party(les) Receiving Party(les) Inter additional receiving parties attached Enter additional Receiving Party(les) Name (line 1) Name (line 2) Address (line 2) Address (line 2) Mark if additional names of receiving parties attached Enter additional Receiving Party(les) Address (line 2) Address (line 2)	tiva
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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).	1
Patent Application Number(s) Patent Number(s)	1
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		ASSIGNMENT DEED
САРАР	This Assig	nment agreement is applicable to an invention entitled (invention Title) LIQUEFIED EMBOLIC MATERIALS COLGEL PHASE TRANSITION AND THEIR USE
		VT RIGHTS referred to in this agreement are;
Check or	ne) 🖾	a Patent Application for this invention, executed by the ASSIGNOR(s) concurrently with this Assignment
		U.S. Patent Application Serial No
	The PATE	IT RIGHTS assigned under this agreement are:
Check or	ne) K	U.S. Patent rights only
CHICON DI	~ ~ ~	worldwide Patent rights. In this case, the Assignee shall have the right to claim the benefit of the filling date of
		workware retent 1910s. In this case, the Assigned Shair nave the right to call in the benefit of the filling date of
	The ACC!	any U.S. Patent Application identified above.
	ILIG VOOL	NOR(s) referred to in this agreement is (or are):
	6 CT SOIG (first inventor) You Han BAE
Address)	Mau	har science and Engineering, Kwangiu Institute of Science and Technology,
	Oty	rial Science and Engineering, Kwangju Institute of Science and Technology, ng-dong 1, Buk-ku, Kwangju Kwangyeok-si, Korea
Full name	e of Becol	joint inventor, if any) Kun NA for Biomaterials and Biotechnology, Kwangiu Institute of Science and Technology,
Address)	Cente	for Biomaterials and Biotechnology, Kwangiu Institute of Science and Technology,
	Oryon	g-dong 1, buk-ku, Kwangiu Kwangyeok-9i, Korea
Full nam	e of third i	Int inventor, if any) Seong II KANG
Address)	Mater	al Science and Engineering, Kwangiu Institute of Science and Technology,
	Oryon	g-dong 1, Buk-ku, Kwangiu Kwangveok-si, Korea
•	The First	SSIGNEE referred to in this agreement is:
Name of	Assignas	Kwangiu Institute of Science and Technology,
Address	ol Assigni	Kwangiu Institute of Science and Technology, Oryong-dong 1, Buk-ku, Kwangiu Kwangyeok-si, Korea
-	The Seco	d ASSIGNEE referred to in this agreement is:
Address	of Assign	D)
•	_	
•	The Third	ASSIGNEE referred to in this agreement is:
Address	of Assigni	9)
	The First	ASSIGNEE is:
		a) an individual
,	(Crimicil UI	an an and an and an
		□ a partnership □ a Corporation of
_		(State or Country)
		d ASSIGNEE IS:
((Check or	o) 🔲 an individual
		a partnership
		a Corporation of
		(State or Country)
•	The Third	ASSIGNEE is:
1	(Check or	a) 🗀 an individual
·	•	a partnership
	•	a Corporation of
		(State or Country)
-	The Acci	NOR(S), in consideration of \$1.00 paid by each ASSIGNEE, and other good and valuable consideration, receipt of whi
	indeed b	ve and do hereby assign the following to each ASSIGNEE; their successors and assigns:
2 CHANGE		to full and exclusive right to the invention;
		n equal interest in and to the entire right, title and interest in and to the PATENT RIGHTS; and
		ne right to claim priority under 35 U.S.C. 119, based on any earlier foreign applications for this invention.
!	As to all L	S. Patent Applications assigned under this Agreement, the ASSIGNOR(s) hereby authorize(s) and requests the
Commissi	oner of Pa	tents and Trademarks to issue all Letters Patent to the ASSIGNEE(s) as the ASSIGNEE(s) of an equal interest in the
intire righ	rt, title and	interest, for the sole use and enjoyment of said ASSIGNEE(s), their successors and assigns.
1	Further, th	ASSIGNOR(s) agree(s) to communicate to said ASSIGNEE(s), or their representatives, any facts known to the
SSIGNO	R(s) resp	cting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation,
ubstitute,	, renewal,	reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to
e issued	to said A	SIGNEE(s), make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE(s), their
UCC88501	rs and ass	gns/to obtain and enforce proper protection for said invention.
		1/4 /3 00 HOW DATE (PAR 2 2 21/ 2000
	بيزمعا	sy the You han BAE (BAE 01. 24, 2000
	Sign	The You han BAE (BAE OF, 24, 2000) There of sole or first inventor) IS FAMILY NAME) (Date)
	/~iSi	
	/	KUN NA (NA IS FAMILY NAME) Cat. 14, 1000
	/Cla-	tura of second inventor, if any) (Date)
	` •	0.4 50 5000
	1	s way seong il kang (kang is Oct. 24, 2000
• .	(Sign	iture of third inventor, if any) FAMILY NAME) (Date)

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)
(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) 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, Korca
(Full name of third joint inventor, if any)
The First ASSIGNEE referred to in this agreement is: (Name of Assignee)
The Second ASSIGNEE referred to in this agreement is: (Name of Assignee)
The Third ASSIGNEE referred to in this agreement is: (Name of Assignee)(Address of Assignee)
The First ASSIGNEE is: (Check one)
The Second ASSIGNEE is: (Check one)
The Third ASSIGNEE is: (Check one)
(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 at lawful papers, exacute 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 caths 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 Of 24 2000 (Signature of sole or first Inventor) NAME) (Date) (Date)
(Signature of second inventor, if any) (HAN IS FAMILY NAME) (Date)
(Signature of third inventor, if any) (Date)