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U.S. Department of Commerce

Patent and Trademark Office

PATENT

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

06-19-2002

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FORM PTO-16 Expres 08/30/99 OM8 0851-0027	19B	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 1	Morton J. Rosenberg		
Address (line 1)	Rosenberg, Klein & L	ee	
Address (line 2)	3458 Ellicott Center	Drive, Suite 101	
Address (line 3)	Cllicott City, MD 21	1043	
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**PATENT** 

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RECORDATION FORM COVER SHEET FORM PTO-1619C Expires 06/30/99 U.S. Department of Commerce CONTINUATION Patent and Trademark Office OMB 0651-0027 **PATENT** PATENTS ONLY Conveying Party(ies) Mark if additional names of conveying parties attached Enter additional Conveying Parties **Execution Date** Month Day Year Name (line 1) Won Ho Jo 2/18/2002 Name (line 2) **Execution Date** Month Day Year Name (line 1) Seong Woo Kim 2/18/2002 Name (line 2) **Execution Date** Month Day Year Name (line 1) Moo Sung Lee 2/18/2002 Name (line 2) Receiving Party(ies) Mark if additional names of receiving parties attached Enter additional Receiving Party(ies) Name (line 1) If document to be recorded is an assignment and the receiving party is not Name (line 2) domiciled in the United States, an appointment of a domestic representative Address (line 1) is attached. (Designation must be a separate document from Address (line 2) Assignment) Address (line 3) State/Country Zip Code If document to be recorded Name (line 1) is an assignment and the receiving party is not domiciled in the United Name (line 2) States, an appointment of a domestic representative is attached. (Designation must Address (line 1) be a separate document from Assignment.) Address (line 2) Address (line 3) Zip Code State/Country City 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 Number(s) Patent Application Number(s)

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Conveying Pa	(21 mark ii aac	ditional names of conveying parties attach	Execution Date
			Month Day Year
Name (line 1)	Jun Kyung Kim		2/18/2002
Name (line 2)			Execution Date
Name (line 1)	Soon Ho Lim		Month Day Year 2/18/2002
Name (line 2)			Execution Date Month Day Year
Name (line 1)	Chul Rim Choe		2/18/2002
Name (line 2)			
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ASSIGNMENT DEED		
This Assignment CLAY-DISPERSED POLYM	agreement is applicable to an invention entitled (in ER NANOCOMPOSITE	vention Title) METHOD FOR PREPARATION OF
The PATENT RIC	GHTS referred to in this agreement are: tent Application for this invention, executed by the A	
The PATENT RIC (Check one) U.S. world	GHTS assigned under this agreement are: Patent rights only dwide Patent rights. In this case, the Assignee shal U.S. Patent Application identified above.	I have the right to claim the benefit of the filing date of
The ASSIGNOR( (Full name of sole or first i (Address) Taekang A	(s) referred to in this agreement is (or are): inventor) Moon Bae KO Apt. 1006-605, 81 Gongreung-dong, Nowo	n-ku, Seoul, Korea
(Address) Sataek-A 20		eoul, Korea
(Address) <u>Geumho</u> <u>Seongnan</u>	n-si, Kyoungki-do, Korea	, Bundang-ku,
(Name of Assignee) Kore	9-1 Hawolgok-dong, Sungbuk-ku, Seoul, J	Korca
(Name of Assignee)	SIGNEE referred to in this agreement is:	
	NEE referred to in this agreement is:	
The First ASSIG (Check one)	an individual a partnership a Corporation of	Korea State or Country)
The Second ASS (Check one)	SIGNEE is:  an individual  a partnership  Corporation of	State or Country)
The Third ASSIG (Check one)	NEE is:  an individual  a partnership  a Corporation of	State or Country)
is acknowledged, have and the full an equather right.  As to all U.S. Par Commissioner of Patents a entire right, title and intere Further, the ASS ASSIGNOR(s) respecting substitute, renewal, reexample.	(S), in consideration of \$1.00 paid by each ASSIGN d do hereby assign the following to each ASSIGNE and exclusive right to the invention; all interest in and to the entire right, title and interest to claim priority under 35 U.S.C. 119, based on all tent Applications assigned under this Agreement, the and Trademarks to issue all Letters Patent to the Allest, for the sole use and enjoyment of said ASSIGNI (IGNOR(s) agree(s) to communicate to said ASSIGNI said invention, and testify in any legal proceedings, mination and reissue applications, execute all necessarials.	EE, and other good and valuable consideration, receipt of which E; their successors and assigns:  It in and to the PATENT RIGHTS; and have earlier foreign applications for this invention.  BE ASSIGNOR(s) hereby authorize(s) and requests the SSIGNEE(s) as the ASSIGNEE(s) of an equal interest in the EE(s), their successors and assigns.  NEE(s), or their representatives, any facts known to the sign all lawful papers, execute all divisional, continuation, seary assignment papers to cause any and all Letters Patent to rything necessary or desirable to aid said ASSIGNEE(s), their
successors and assigns, t	o obtain and enforce proper protection for said inve	~
(Signature of	of sole or first inventor)	(Date)
(Signature of	of sole or first inventor)  of second inventor, if any)	(Date) 2 - 18 - 0 L (Date)
(Signature	of third inventor, if any)	(Date)

ASSIGNMENT DEED
This Assignment agreement is applicable to an invention entitled (invention Title)  METHOD FOR PREPARATION OF CLAY-DISPERSED POLYMER NANOCOMPOSITE
The PATENT RIGHTS referred to in this agreement are:  (Check one)
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) Seong Woo KIM  (Address) Jugong Yeonrip 3-105, 811 Donam-dong, Cheju-si, Cheju-do, Korea
(Full name of second joint inventor, if any) <u>Moo Sung LEE</u> (Address) 1158 Samdo 2-dong, Cheju-si, Cheju-do, Korea
(Full name of third joint inventor, if any) <u>lun Kyung KIM</u> (Address) New Hyundai Apt. 102-204, 65 Hoigi-dong, Dongdaemun-ku, Seoul, Korea
The First ASSIGNEE referred to in this agreement is:  (Name of Assignee) Korea Institute of Science and Technology  (Address of Assignee) 39-1 Hawolgok-dong, Sungbuk-ku, Seoul, 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)
The First ASSIGNEE is:  (Check one)  an individual  a partnership  a Corporation of Korea  (State or Country)
The Second ASSIGNEE is:  (Check one)
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
Commissioner of Patents and Trademarks to issue all Letters Fatenth and Irademarks to issue all Letters Fatenth and Irademarks to issue all Letters Fatenth and Irademarks to issue all Letters Fatenth, title and interest, for the sole use and enjoyment of said ASSIGNEE(s), or their representatives, any facts known to the Further, the ASSIGNOR(s) agree(s) to communicate to said ASSIGNEE(s), or their representatives, any facts known to the Further, the ASSIGNOR(s) agree(s) to communicate to said ASSIGNOR(s) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, assistant assignment papers to cause any and all Letters Patent to substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patenth and Pate
Switch 2 2 - 18 - 2 (Date)
(Signature of second inventor, if any) $ 2 - (8 - 02) $ $ 2 - (8 - 02) $
(Signature of third inventor, if any) (Date)

± 1	ASSIGNMENT DEED
This Assignme	ent agreement is applicable to an invention entitled (invention Title)  METHOD FOR PREPARATION OF  MER NANOCOMPOSITE
The PATENT (Check one)	RIGHTS referred to in this agreement are:  Patent Application for this invention, executed by the ASSIGNOR(s) concurrently with this Assignment  S. Patent Application Serial No
The PATENT I	RIGHTS assigned under this agreement are: S. Patent rights only orldwide Patent rights. In this case, the Assignee shall have the right to claim the benefit of the filing date of by U.S. Patent Application identified above.
(Full name of sole or fin (Address) Asia Sec	DR(s) referred to in this agreement is (or are): st inventor) Soon Ho LIM onsuchon Apt. 5-1205, 86 Jamsil-dong, Songpa-ku, Seoul, Korea
(Address) Hosumae	int inventor, if any) <u>Chul Rim CHOE</u> ul 404-101, 875 Janghang-dong, Ilsan-ku, Koyang-si, Kyoungki-do, Korea
(Full name of third joint (Address) Geugdo	inventor, if any) Min PARK ong Apt. 102-204, SSangmun-dong, Dobong-ku, Scoul, Korea
(Name of Assignee) K	IGNEE referred to in this agreement is: orea Institute of Science and Technology 39-1 Hawolgok-dong, Sungbuk-ku, Seoul, Korea
(Name of Assignee)	SSIGNEE referred to in this agreement is:
(Name of Assignee)	SIGNEE referred to in this agreement is:
The First ASS (Check one)	SIGNEE is:  an individual  a partnership  a corporation of Korea  (State or Country)
The Second A (Check one)	ASSIGNEE is:
The Third ASS (Check one)	SIGNEE is:  an individual a partnership a Corporation of
is acknowledged, have the f an e the r As to all U.S. Commissioner of Paten entire right, title and inte Further, the A ASSIGNOR(s) respecti substitute, renewal, ree	(State or Country)  OR(S), in consideration of \$1.00 paid by each ASSIGNEE, and other good and valuable consideration, receipt of which and do hereby assign the following to each ASSIGNEE; their successors and assigns: full and exclusive right to the invention; qual interest in and to the entire right, title and interest in and to the PATENT RIGHTS; and right to claim priority under 35 U.S.C. 119, based on any earlier foreign applications for this invention.  Patent Applications assigned under this Agreement, the ASSIGNOR(s) hereby authorize(s) and requests the last and Trademarks to issue all Letters Patent to the ASSIGNEE(s) as the ASSIGNEE(s) of an equal interest in the erest, for the sole use and enjoyment of said ASSIGNEE(s), their representatives, any facts known to the said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, examination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to GNEE(s), make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE(s), their s, to obtain and enforce proper protection for said invention.
List	2/18/02 (Date)
The Sha	GNEE(s), make all rightful oaths and generally do everything necessary of second invention.  2/18/6 2  (Date)  12-18-02  (Date)  7-18-02  (Date)  Tre of third inventor, if any)
(Signatu	re of second inventor, if any)  7 - 18 - 0
(Signatu	re of third inventor, if any) (Date)