PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
Akihiro KISHIMURA	12/20/2012
Kazunori KATAOKA	12/20/2012
Stephanie LEE	01/04/2013
Yasutaka ANRAKU	12/20/2012
Aya KOIDE	01/09/2013
Mitsuru SAKAI	01/09/2013
QiuMing YU	01/09/2013

RECEIVING PARTY DATA

Name:	The University of Tokyo	
Street Address:	3-1, Hongo 7-chome, Bunkyo-ku,	
City:	Tokyo	
State/Country:	JAPAN	
Postal Code:	113-8654	

Name:	TEIJIN LIMITED
Street Address:	6-7, Minamihommachi 1-chome, Chuo-ku
City:	Osaka-shi, Osaka
State/Country:	JAPAN
Postal Code:	541-0054

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13812383

CORRESPONDENCE DATA

Fax Number: 7032058050

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 7032058000

PATENT REEL: 029703 FRAME: 0153 OP \$40,00 13812383

502209375

Email: mailroom@bskb.com, mussie.beyene@bskb.com

Correspondent Name: BIRCH, STEWART, KOLASCH, & BIRCH, LLP.

Address Line 1: P.O. BOX 747

Address Line 4: Falls Church, VIRGINIA 22040-0747

ATTORNEY DOCKET NUMBER: 4456-0179PUS1

NAME OF SUBMITTER: Mussie B. Beyene

Total Attachments: 6

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PATENT REEL: 029703 FRAME: 0154

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Attorney Docket No. 4456-0179PUS1

BIRCH, STEWART, KOLASCH & BIRCH, LLP

UNITED STATES PATENT RIGHTS, OR
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS
(MULTIPLE ASSIGNEES)

ASSIGNMENT

Application No	o.:	13/812,383	Filed:	January 25, 2013
Insert Name(s) of Inventor(s)		***(Given Name FAMILY NAME (ALL CAPS))*** WHEREAS, Akihiro KISHIMURA, Kazunori KOIDE, Mitsuru SAKAI, QiuMing YU (hereinafter designated as the undersigned) has		-
Insert Title of Invention	⇒	ELECTROSTATICALLY BONDED VESICLE		
		for which an application for Letters Patent of undersigned (except in the case of a provisional		States of America has been executed by the
Insert Date of Signing of Appln.	⇔	on December 20, 2012		and
	⇔	WHEREAS, 1. THE UNIVERSITY OF TOKYO;	and 2. TEIJIN	LIMITED
Insert Addresses of Assignees		of 1. 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo Chuo-ku, Osaka-shi, Osaka 541-0054, Japan, res		an; and 2. 6-7, Minamihommachi 1-chome,
		their heirs, successors, legal representatives a desirous of acquiring the entire right, title and a Patent(s) that may be granted therefor in the Un	interest in and	d to said invention and in and to any Letters
Check Box if Appropriate	⇒	igwedge in any foreign countries.		
		NOW, THEREFORE, for good and valuable conthe undersigned has (have) sold, assigned and and transfer unto said Assignees the full and examerica, its territories, dependencies and posses and all Letters Patent(s) which may be granted dependencies and possessions, and if the box at any and all divisions, reissues, continuations, terms for which the same may be granted	transferred, xclusive right essions and th d therefor in bove is design	and by these presents does (do) sell, assign to the said invention in the United States of e entire right, title and interest in and to any the United States of America, its territories, lated, in any and all foreign countries; and to
		in equal undivided amounts unless specific und	livided amour	nts are listed below:
Ownership Interest	⇔	Assignee 1 (%); Assignee 2 (%).		

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Page 1

BSKB-ASSIGN-MULTI (09-12) GMM/GMM/tdv The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignees may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignees in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of (a) valid United States of America and any foreign patent(s) to the Assignees and to vest all rights therein hereby conveyed to said Assignees as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patent(s) resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignees, as Assignees of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date 20/(2/20(2	Name of Inventor	(Signature) Akihiro KISHIMURA
Date 20/12/2012	Name of Inventor	(Signature) Kazunori KATAOKA
Date	Name of Inventor	(Signature) Stephanie LEE
Date20/(2/2017.	Name of Inventor	Jacota ka Avya ku (Signature) Yasutaka ANRAKU
Date	Name of Inventor	(Signature) Aya KOIDE
Date	Name of Inventor	(Signature) Mitsuru SAKAI
Date	Name of Inventor	(Signature) QiuMing YU
BIRCH, STEWART, KOLASCH & BIRCH, LLP		Page 2 BSKB-ASSIGN-MULTI (09-12)

GMM/GMM/tdv

東京等性 No. 10- 0375-2015501 7610 0077277

Attorney Docket No. 4456-0179PUS1

BIRCH, STEWART, KOLASCH & BIRCH, LLP

UNITED STATES PATENT RIGHTS, OR
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS
(MULTIPLE ASSIGNEES)

ASSIGNMENT

Application No	D.: 13/812,383	Filed:	January 25, 2013
Insert Name(s) of Inventor(s)	***(Given Name FAMILY NAME (ALL CAPS))* WHEREAS, Akihiro KISHIMURA, Kazuno: KOIDE, Mitsuru SAKAI, QiuMing YU (hereinafter designated as the undersigned) h	ri KATAOKA,	-
Insert Title of Invention	⇒ ELECTROSTATICALLY BONDED VESICLE		
	for which an application for Letters Patent undersigned (except in the case of a provision		States of America has been executed by the
Insert Date of Signing of Appln.	⇒ on January 4, 2013		; and
Insert Names of Assignees	⇒ WHEREAS, 1. THE UNIVERSITY OF TOKYO); and 2. TEIJIN	N LIMITED
Insert Addresses of Assignees	⇒ of 1. 3-1, Hongo 7-chome, Bunkyo-ku, Toky Chuo-ku, Osaka-shi, Osaka 541-0054, Japan, re		van; and 2. 6-7, Minamihommachi 1-chome,
	their heirs, successors, legal representatives desirous of acquiring the entire right, title and Patent(s) that may be granted therefor in the U	d interest in an	d to said invention and in and to any Letters
Check Box if Appropriate	⇒ 🔀 in any foreign countries.		
	NOW, THEREFORE, for good and valuable of the undersigned has (have) sold, assigned at and transfer unto said Assignees the full and America, its territories, dependencies and pos and all Letters Patent(s) which may be grant dependencies and possessions, and if the box any and all divisions, reissues, continuation terms for which the same may be granted	nd transferred, exclusive right sessions and th ted therefor in above is desigr	and by these presents does (do) sell, assign to the said invention in the United States of the entire right, title and interest in and to any the United States of America, its territories, mated, in any and all foreign countries; and to
	in equal undivided amounts unless specific un	ndivided amou	nts are listed below:
Ownership Interest	⇒ Assignee 1 (%); Assignee 2 (%).		

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Page 1

BSKB-ASSIGN-MULTI (09-12) GMM/GMM/tdv The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignees may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignees in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of (a) valid United States of America patent(s) or a grant of (a) valid United States of America and any foreign patent(s) to the Assignees and to vest all rights therein hereby conveyed to said Assignees as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patent(s) resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignees, as Assignees of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

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In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	Name of Inventor	(Signature) Akihiro KISI HMURA
Date	Name of Inventor	(Signature) Kazunori KATAOKA
Date <u>JAN 4, 2,013</u>	Name of Inventor	Seghand (Signature) Stephánie LEF:
Date	Name of Inventor	(Signature) Yasutaka ANRAKU
Date	Name of Inventor	(Signature) Aya KOIDE
Date	Name of Inventor	(Signature) Mitsuru SAKAI
Date	Name of Inventor	(Signature) QiuMing YU
BIRCH, STEWART, KOLASCH & BIRCH, LLP		Page 2 BSKB-ASSIGN-MULTI (09-12) GMM/GMM/Idv

PATENT REEL: 029703 FRAME: 0158

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Attorney Docket No. 4456-0179PUS1

BIRCH, STEWART, KOLASCH & BIRCH, LLP

UNITED STATES PATENT RIGHTS, OR
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS
(MULTIPLE ASSIGNEES)

ASSIGNMENT

Application No).:	13/812,383	Filed:	January 25, 2013
Insert Name(s) of Inventor(s)		***(Given Name FAMILY NAME (ALL CAPS))*** WHEREAS, Akihiro KISHIMURA, Kazunori KOIDE, Mitsuru SAKAI, QiuMing YU (hereinafter designated as the undersigned) has		-
Insert Title of Invention	⇔	ELECTROSTATICALLY BONDED VESICLE		
		for which an application for Letters Patent of undersigned (except in the case of a provisional		States of America has been executed by the
Insert Date of Signing of Appln.	⇔	on January 9, 2013	***************************************	; and
	⇔	WHEREAS, 1. THE UNIVERSITY OF TOKYO; a	and 2. TEIJIN	N LIMITED
Insert Addresses of Assignees		of 1. 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo : Chuo-ku, Osaka-shi, Osaka 541-0054, Japan, resp		oan; and 2. 6-7, Minamihommachi 1-chome,
		their heirs, successors, legal representatives and desirous of acquiring the entire right, title and it Patent(s) that may be granted therefor in the Uni	nterest in an	d to said invention and in and to any Letters
Check Box if Appropriate	⇒	in any foreign countries.		
		NOW, THEREFORE, for good and valuable conthe undersigned has (have) sold, assigned and and transfer unto said Assignees the full and ex America, its territories, dependencies and posse and all Letters Patent(s) which may be granted dependencies and possessions, and if the box ab any and all divisions, reissues, continuations, terms for which the same may be granted	transferred, sclusive right ssions and th I therefor in ove is design	and by these presents does (do) sell, assign to the said invention in the United States of the entire right, title and interest in and to any the United States of America, its territories, mated, in any and all foreign countries; and to
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In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date		Name of Inventor		
			(Signature) Akihiro KISHIMURA	
Date		Name of Inventor		
			(Signature) Kazunori KATAOKA	
Date		Name of Inventor		
			(Signature) Stephanie LEE	
Date		Name of Inventor		
			(Signature) Yasutaka ANRAKU	
Date	01/09/2013	Name of Inventor	Aya Kordi (Signature) Aya KOIDE Mitsury Jakai	
			(Signature) Aya KOIDE	
Date	01/09/2013	Name of Inventor	mitsury Jakai	
			(Signature) Mitsuru SAKAI	
Date	01/09/2013	Name of Inventor	(Signature) QiuMing YU	
•			(Signature) QiuMing YU	
BIRCH,	STEWART, KOLASCH & BIRCH, LLP		Page 2	BSKB-ASSIGN-MULTI (09-12) GMM/GMM/tdv

PATENT REEL: 029703 FRAME: 0160

RECORDED: 01/28/2013