PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Krzysztof Matyjaszewski	11/19/2009
Ke Min	11/18/2009
Jung Kwon Oh	11/17/2009
James Spanswick	11/13/2009
Nicolay V. Tsarevsky	11/13/2009

RECEIVING PARTY DATA

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Street Address:	5000 Forbes Avenue
City:	Pittsburgh
State/Country:	PENNSYLVANIA
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PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	12311673
PCT Number:	US0721684

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 070456PCTUS

REEL: 023694 FRAME: 0524

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PATENT

NAME OF SUBMITTER:	Joseph L. Kent
Total Attachments: 4 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif	

PATENT REEL: 023694 FRAME: 0525

Attorney's Docket No. <u>070456PCTUS</u>			PATENT
	For 🖾 U.	S. and/or ⊠ Foreign R S. Application or S. Provisional Applicati	
• • • • • • • • • • • • • • • • • • •	For: U.	S. Patent CT Application ble Inventors	
Serial No. <u>12/311,673</u>			
Filing Date: April 8, 2009			
ASSIGNMENT OF INV	VENTION (MI	ULTIPLE IŅVENTORS	(1)
In consideration of the payment by ASSIG receipt of which is hereby acknowledged, and	NEE to ASSI for other goo	GNOR of the sum of O d and valuable conside	one Dollar (\$1.00), the eration,
ASSIGNORS (Inventors):			
Krzysztof Matyjaszewski (type or print name of Inventors)	P	Queens Court ittsburgh, PA 15238 ddress	USA Nationality
Ke Min	<u></u>	26 Stratford Avenue, A ittsburgh, PA 15206	partment #2F People's Rep. of China
Jung Kwon Oh		201 Nurmi Drive Midland, MI 48640	Canada
James Spanswick	<u> </u>	2365 Albright Lane Wheaton, IL 60187	United Kingdom
Nicolay V. Tsarevsky	<u>.</u>	321 Melwood Avenue, A Pittsburgh, PA 15213	Apartment #206 Bulgaria
hereby sell, assign and transfer to			
ASSIGNEE:			
Carnegie Mellon University (type or print name of ASSIGNEE)		5000 Forbes Avenue Address	
(a Non-Profit Pennsylvania organization)		Pittsburgh, PA 15213	<u> </u>
and the successors, assigns and lega	al representati	ves of the ASSIGNEE	
★ the entire right, title and interest	st		
and in all foreign countries, incl all foreign countries, in and to any and al	luding all right Il improvemer	s to claim priority both its which are disclosed	in the United States and in the invention entitled:

PREPARATION OF FUNCTIONAL GEL PARTICLES WITH A DUAL CROSSLINK NETWORK

(Assignment of Invention-Multiple Inventors page 1)

PI-2265475 v1 0201710-01206

PATENT REEL: 023694 FRAME: 0526 and which is found in:

- (a) U.S. patent application executed on even date herewith;
- (b) ☑ U.S. application no.: 12/311,673 filed on April 8, 2009; and was described and claimed in PCT International Application No. PCT/US2007/021684 filed on October 9, 2007;

and any legal equivalent thereof in a foreign country, including the right to claim priority both in the United States and in all foreign countries and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, non-provisional, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set h	and and seal this	
IN WITNESS WILLIAMS, WO HAVE HELDER		Date of signing
WARNING: The date of signing must be the same as the date of e	execution of the application, if item (a) was ch	ecked above.
Krzysztof Matyjaszewski	Shoper	11/19/09
(type name of Inventor)	Signature of INVENTOR	Date
Ke Min (type name of Inventor)	Signature of INVENTOR	Date
Jung Kwon Oh (type name of Inventor)	Signature of INVENTOR	Date
James Spanswick (type name of Inventor)	Eignature of INVENTOR	11/13/2009 Date 11/13/2009
Nicolay V. Tsarevsky (type name of Inventor)	Signature of INVENTOR	Date

□ Notarization or Legalization Page Added.

(Assignment of Invention-Multiple Inventors-page 2)

and which is found in:		
(a) U.S. patent application execute	d on even date herewith;	•
(b) ⊠ U.S. application no.: 12/311.67 PCT International Application No. <u>PCT/US</u>	3 filed on <u>April 8, 2009;</u> and was describe 2007/021684 filed on <u>October 9, 2007;</u>	ed and claimed in
and any legal equivalent thereof in a formation of the states and in all foreign countries and, by the above application or any continuation, can be to letters patent any reissue or re-examination.	division, renewal, non-provisional, or sub	ed for said inventio
ASSIGNORS hereby covenant that no asset made or entered into which would conflict w	ignment, sale, agreement or encumbrand ith this assignment;	ce has been or wil
ASSIGNORS further covenant that ASSIG sertinent facts and documents relating to said in any be known and accessible to ASSIGNOR are proceeding related thereto and will promptly epresentatives any and all papers, instrument and enforce said application, said invention and hay be necessary or desirable to carry out the IN WITNESS WHEREOF, We have hereuw ARNING: The date of signing must be the same as the	Invention and said Letters Patent and legand will testify as to the same in any interescente and deliver to ASSIGNEE or its or affidavits required to apply for, obtained said Letters Patent and said equivalent purposes thereof. Into set hand and seal this	pal equivalents as ference, litigation legal n, maintain, issue is thereof which
(rzysztof Matyjaszewski type name of Inventor)	Signature of INVENTOR	Date
	-	
Ke Min type name of inventor)	Signature of INVENTOR	Date
	Fr115/aunty	11/17/03
lung Kwon Oh type name of Inventor)	Signature of INVENTOR	Date
lames Spanswick		_
type name of Inventor)	Signature of INVENTOR	Date
Nicolay V. Tsarevsky type name of Inventor)	Signature of INVENTOR	Date
☐ Notarization	ı or Legalization Page Added.	

(Assignment of Invention-Multiple Inventors-page 2)

PATENT REEL: 023694 FRAME: 0528

Krzysztof Matyjaszewski (type name of Inventor) Ke Min (type name of Inventor) Jung Kwon Oh (type name of Inventor) James Spanswick (type name of Inventor) Nicolay V. Tsareysky (type name of Inventor)	Signature of INVENTOR Signature of INVENTOR Signature of INVENTOR Signature of INVENTOR	Date Nov. 18: 200 Date Date Date
Krzysztof Matyjaszewski (type name of Inventor) Ke Min (type name of Inventor) Jung Kwon Oh (type name of Inventor) James Spanswick (type name of Inventor) Nicolay V. Tsarevsky	Signature of INVENTOR Signature of INVENTOR Signature of INVENTOR	Date Nov. 18. 200 Date Date
Krzysztof Matyjaszewski (type name of Inventor) Ke Min (type name of Inventor) Jung Kwon Oh (type name of Inventor) James Spanswick (type name of Inventor)	Signature of INVENTOR Signature of INVENTOR Signature of INVENTOR	Date: Nov. 1&: 2cの Date
Krzysztof Matyjaszewski (type name of Inventor) Ke Min (type name of Inventor) Jung Kwon Oh (type name of Inventor) James Spanswick	Signature of INVENTOR Signature of INVENTOR Signature of INVENTOR	Date: Nov. 1&: 2cの Date
Krzysztof Matylaszewski (type name of Inventor) Ke Min (type name of Inventor) Jung Kwon Oh (type name of Inventor)	Signature of INVENTOR Signature of INVENTOR	Date: Nov. 1&: 2cの Date
Krzysztof Matylaszewski (type name of Inventor) Ke Min (type name of Inventor) Jung Kwon Oh	Signature of INVENTOR Signature of INVENTOR	Date: Nov. 1&: 2cの Date
Krzysztof Matyjaszewski (type name of Inventor) Ke Min (type name of Inventor)	Signature of INVENTOR	Date: Nov. 18: 2๓
Krzysztof Matylaszewski (type name of Inventor) Ke Min	Signature of INVENTOR	Date: Nov. 18: 2๓
Krzysztof Matylaszewski		Date
	овие от влесию со и не аррисация, и напт (а)) was checked above.
WARNING: The date of signing must be the same as the	oate of executors of the application, it light (a)) was checked above.
IN WITNESS WHEREOF, We have hereunt		Date of signing
ASSIGNORS further covenant that ASSIGN pertinent facts and documents relating to said in may be known and accessible to ASSIGNOR and or proceeding related thereto and will promptly e representatives any and all papers, instruments and enforce said application, said invention and may be necessary or desirable to carry out the p	vention and said Letters Patent and I ad will testify as to the same in any int execute and deliver to ASSIGNEE or or affidavits required to apply for, obt said Letters Patent and said equivale	egal equivalents as terference, litigation its legal ain, maintain, issue
ASSIGNORS hereby covenant that no assig be made or entered into which would conflict with	h this assignment;	
and any legal equivalent thereof in a for United States and in all foreign countries and, in by the above application or any continuation, dir as to letters patent any reissue or re-examination	and to, all Letters Patent to be obtaing vision, renewal, non-provisional, or a n thereof.	ined for said invention in the said invention in the said invention in the said in the said in the said in the said invention in the said in the sai
POT international Application No. <u>FOTODES</u>	007/021684 filed on October 9, 2007	ribed and claimed in
(b) U.S. application no.: 12/311.673	Eled on Andi G. 2000; and use done	
(a) ☐ U.S. patent application executed (b) ☑ U.S. application no.: 12/311.673		

(Assignment of Invention-Multiple Inventors-page 2)

PATENT REEL: 023694 FRAME: 0529

RECORDED: 12/23/2009