PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| Wojciech Jakubowski | 01/06/2011 |
| Patrick McCarthy | 01/06/2011 |
| Nicolay Tsarevsky | 01/10/2011 |
| James Spanswick | 01/06/2011 |

RECEIVING PARTY DATA

| Name: | ATRP Solutions, Inc. |
|-----------------|----------------------|
| Street Address: | P.O. Box 19386 |
| City: | Pittsburgh |
| State/Country: | PENNSYLVANIA |
| Postal Code: | 15213 |

PROPERTY NUMBERS Total: 1

| Property Type | Number | |
|---------------------|----------|--|
| Application Number: | 13410700 | |

CORRESPONDENCE DATA

 Fax Number:
 (202)626-1700

 Phone:
 212-326-3939

Email: psharer@jonesday.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

012920-0010-999

via US Mail.

Correspondent Name: JONES DAY
Address Line 1: 222 EAST 41ST ST

ATTORNEY DOCKET NUMBER:

Address Line 4: NEW YORK, NEW YORK 10017

NAME OF SUBMITTER: Paul L. Sharer

Total Attachments: 6

PATENT REEL: 027797 FRAME: 0566 3H \$40 00 13410

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> PATENT REEL: 027797 FRAME: 0567

Please return signed/recorded to:
 Jones Day
 Intellectual Property Group
 51 Louisiana Avenue, N.W.
 Washington, D.C. 20001-2113

Attorney Reference: 012920-0001-999 Client Reference: ATRP-101/CIP

ASSIGNMENT OF NON-PROVISIONAL APPLICATION

WHEREAS, the undersigned hereby:

| INSERT | | | | | |
|--|--|--|---|---------------------------|--|
| NAME(S) | OF | (1) Wojciech JAKUBO |)WSKI | | rick McCARTHY |
| INVENTO | R(S) | (3) Nicolay TSAREVS | KY | ⊠ x bo | x if continued on page 2 |
| | (collectively hereinafter "ASSIGNOR") has/have made an invention entitled: | | | | |
| TITLE OF INVENTIO | N | Star Macromolecules for | r Personal and Home Care | | |
| for whic | h an applica | tion for Letters Patents of | the United States of America: | | |
| | (B) 🗵 | was executed on even was filed on Octobe | date herewith and will be file r 27, 2010 as Applica | d in the U.S ition No. | s. Patent & Trademark Office; or 12/926,143 |
| AND W | HEREAS, | | | | |
| INSERT NAME(S) A | .un | ATRP Solutions, Inc. | | | |
| ADDRESS | (ES) OF | P.O. Box 19386 | | | |
| ASSIGNEE | (S) | Pittsburgh, Pennsylvan | a 15213 | | |
| | , | United States of Americ | | | |
| | | | an interest therein of the above | | |
| represent describe §119(e) at thereon a all applic foreign to right to cl States, the Community of the Commu | NOW, THEREFORE, in consideration of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR, does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest to the said invention in the United States and all foreign countries, as described in the aforesaid application, and to the said application and all applications claiming priority thereto under 35 U.S.C. §119(e) and to all continuations, divisions, and renewals thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications for all forms of industrial property protection and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable, and ASSIGNOR hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; AND ASSIGNOR hereby agrees, without further remuneration, to execute any papers requested by ASSIGNEE, its successors, assigns and legal representatives, deemed essential for ASSIGNEE's full protection and title in and to the invention hereby transferred; and additionally, the undersigned further authorize(s) Jones Day, 51 Louisiana Avenue, N.W., Washington, D.C. 20001, to insert hereon any further identification necessary or desirable for recordation of this docu | | | | |
| | INVENTO | OR SIGNATURES | DATE S | IGNED | WITNESSES |
| 1) Name: | Wojciech | JAKUBOWSKI | ع / اه | 6/11 | Jandall Vlage |
| 2) [→] Name: | Details N | - CARTIN | | | |
| ivaine. | ratrick M | CCARTHY | - | | |
| 3) Name: | Nicolay T | SAREVSKY | | | |
| | | | • | | |

Attorney Reference: 012920-0001-999 Client Reference: ATRP-101/CIP

ASSIGNMENT OF NON-PROVISIONAL APPLICATION

Separate Sheet For Additional Inventors (page 2 of 2)

| INSERT |
|-------------|
| NAME(S) OF |
| ADDITIONAL |
| INVENTOR(S) |

| (4) James SPANSWICK | (5) |
|---------------------|-----|
| (6) | (7) |
| (8) | (9) |
| (10) | |

Assignee as named on previous page: ATRP Solutions, Inc.

Invention entitled: Star Macromolecules for Personal and Home Care

| | INVENTOR SIGNATURES | DATE SIGNED | WITNESSES |
|-------|---------------------|-------------|----------------|
| 45 | Cleman Source of A | 10/11 | Vandall & |
| 4) | James X Company | 1/6/11 | Januall & Clay |
| Name: | James SPANSWICK | , | |

PATENT REEL: 027797 FRAME: 0569 Please return signed/recorded to: Jones Day Intellectual Property Group 51 Louisiana Avenue, N.W. Washington, D.C. 20001-2113

Attorney Reference: 012920-0001-999 Client Reference: ATRP-101/CIP

ASSIGNMENT OF NON-PROVISIONAL APPLICATION

| WHERE | AS, the undersigned hereby: | | ¢. | | |
|--|---|---|---|--|--|
| INSERT NAME(S) OF | (1) Wojciech JAKUBOWSKI | (2) Pa | trick McCARTHY | | |
| INVENTOR(S) | (3) Nicolay TSAREVSKY | | pox if continued on page 2 | | |
| (collectively hereinafter "ASSIGNOR") has/have made an invention entitled: | | | | | |
| TITLE OF INVENTION | Star Macromolecules for Personal and Hom | e Care | | | |
| for which an applic | cation for Letters Patents of the United States of | America: | | | |
| (A) [(B) [| was executed on even date herewith and was filed on _October 27, 2010 | will be filed in the U. as Application No. | .S. Patent & Trademark Office; or 12/926,143 | | |
| AND WHEREAS, | | • | | | |
| INSERT NAME(S) AND | ATRP Solutions, Inc. | | | | |
| ADDRESS(ES) OF | P.O. Box 19386 | | | | |
| ASSIGNEE(S) | Pittsburgh, Pennsylvania 15213 | | | | |
| | United States of America | | | | |
| | SNEE"), desires to acquire an interest therein o | | | | |
| NOW, THEREFORE, in consideration of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR, does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest to the said invention in the United States and all foreign countries, as described in the aforesaid application, and to the said application and all applications claiming priority thereto under 35 U.S.C. §119(e) and to all continuations, divisions, and renewals thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications for all forms of industrial property protection and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable, and ASSIGNOR hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; AND ASSIGNOR hereby agrees, without further remuneration, to execute any papers requested by ASSIGNEE, its successors, assigns and legal representatives, deemed essential for ASSIGNEE's full protection and title in and to the invention hereby transferred; and additionally, the undersigned further authorize(s) Jones Day, 51 Louisiana Avenue, N.W., Washington, D.C. 20001, to insert hereon any further identification necessary or desirable for recordation of this docu | | | | | |
| | ONY WHEREOF, we hereunto set our respect | ve signatules on the t | uay and year sectorm below. | | |
| INVENT | FOR SIGNATURES | DATE SIGNED | WITNESSES | | |
| 2) K | Ch JAKUBOWSKI McCARTHY | 01 06 11 | Zandall/Egu | | |
| Name: Nicolay | TSAREVSKY | | | | |

Attorney Reference: 012920-0001-999 Client Reference: ATRP-101/CIP

ASSIGNMENT OF NON-PROVISIONAL APPLICATION

Separate Sheet For Additional Inventors (page 2 of 2)

| INSERT NAME(S) OF ADDITIONAL INVENTOR(S) | (6) | (5) (7) (9) | |
|---|--|-------------------|------------------|
| Assignee as | (10) s named on previous page: ATRP Solutions, Inc. ntitled: Star Macromolecules for Personal and Home (| Care | |
| Ī | INVENTOR SIGNATURES | DATE SIGNED | <u>WITNESSES</u> |
| 4) Name: | James SPANSWICK | | |

PATENT REEL: 027797 FRAME: 0571 Please return signed/recorded to:
Jones Day
Intellectual Property Group
51 Louisiana Avenue, N.W.
Washington, D.C. 20001-2113

Attorney Reference: 012920-0001-999 Client Reference: ATRP-101/CIP

| | ASSIGNMENT OF NON-PR | OVISIONAL AP | PLICATION | |
|--|--|--|--|--|
| WHERE | AS, the undersigned hereby: | | | |
| INSERT | (1) Wojciech JAKUBOWSKI | (2) Pa | trick McCARTHY | |
| NAME(S) OF INVENTOR(S) | (3) Nicolay TSAREVSKY | ⊠xI | pox if continued on page 2 | |
| | nafter "ASSIGNOR") has/have made an invention | n entitled: | | |
| TITLE OF INVENTION | Star Macromolecules for Personal and Home | Care | | |
| for which an appli | cation for Letters Patents of the United States of | America: | | |
| (A) (B) | was executed on even date herewith and was filed onOctober 27, 2010 | will be filed in the U as Application No. | | |
| AND WHEREAS, | | | | |
| INSERT | ATRP Solutions, Inc. | | | |
| NAME(S) AND ADDRESS(ES) OF | P.O. Box 19386 | | | |
| ASSIGNEE(S) | Pittsburgh, Pennsylvania 15213 United States of America | | | |
| (harainaftar "ACCI | | Ab | in a standard and a s | |
| | GNEE"), desires to acquire an interest therein of | | • | |
| NOW, THEREFORE, in consideration of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR, does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest to the said invention in the United States and all foreign countries, as described in the aforesaid application, and to the said application and all applications claiming priority thereto under 35 U.S.C. §119(e) and to all continuations, divisions, and renewals thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications for all forms of industrial property protection and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable, and ASSIGNOR hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; AND ASSIGNOR hereby agrees, without further remuneration, to execute any papers requested by ASSIGNEE, its successors, assigns and legal representatives, deemed essential for ASSIGNEE's full protection and title in and to the invention hereby transferred; and additionally, the undersigned further authorize(s) Jones Day, 51 Louisiana Avenue, N.W., Washington, D.C. 20001, to insert hereon any further identification necessary or desirable for recordation of this docu | | | | |
| INVEN | NTOR SIGNATURES | DATE SIGNED | WITNESSES | |
| 2) | ech JAKUBOWSKI k McCARTHY | | | |
| Talle | | | | |
| 3) Name: Nicola | WY JOHN WAREVSKY | 1/10/2011 | | |
| | | | | |

Attorney Reference: 012920-0001-999 Client Reference: ATRP-101/CIP

ASSIGNMENT OF NON-PROVISIONAL APPLICATION

Separate Sheet For Additional Inventors (page 2 of 2)

| INGERI | (4) James SPANSWICK | (5) | |
|------------------------|---|-------------|-----------|
| NAME(S) OF | (6) | (7) | |
| ADDITIONAL INVENTOR(S) | (8) | (9) | |
| in En Onio | (10) | | |
| Assignee as name | ed on previous page: ATRP Solutions, Inc. | | |
| Invention entitled | : Star Macromolecules for Personal and Home | Care | |
| | | | |
| INVEN | ITOR SIGNATURES | DATE SIGNED | WITNESSES |

PATENT REEL: 027797 FRAME: 0573

RECORDED: 03/02/2012

INCEPT

4) Name:

James SPANSWICK