

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jeffrey Lancaster</td> <td>03/22/2012</td> </tr> <tr> <td>Nicholas J. Turro</td> <td>03/24/2012</td> </tr> <tr> <td>Jeffrey T. Koberstein</td> <td>04/17/2012</td> </tr> </tbody> </table>		Name	Execution Date	Jeffrey Lancaster	03/22/2012	Nicholas J. Turro	03/24/2012	Jeffrey T. Koberstein	04/17/2012
Name	Execution Date								
Jeffrey Lancaster	03/22/2012								
Nicholas J. Turro	03/24/2012								
Jeffrey T. Koberstein	04/17/2012								
RECEIVING PARTY DATA									
Name:	The Trustees of Columbia University in the City of New York								
Street Address:	412 Low Memorial Library								
Internal Address:	535 West 116th Street								
City:	New York								
State/Country:	NEW YORK								
Postal Code:	10027								
PROPERTY NUMBERS Total: 2									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>61467573</td> </tr> <tr> <td>Application Number:</td> <td>13429704</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	61467573	Application Number:	13429704		
Property Type	Number								
Application Number:	61467573								
Application Number:	13429704								
CORRESPONDENCE DATA									
Fax Number:	(212)230-8888								
Email:	Mark.McBriar@wilmerhale.com								
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
Correspondent Name:	Mark D. McBriar								
Address Line 1:	399 Park Avenue								
Address Line 2:	WilmerHale								
Address Line 4:	New York, NEW YORK 10022								
ATTORNEY DOCKET NUMBER:	19240.932 US2								
NAME OF SUBMITTER:	Mark D. McBriar, Ph.D								

OP \$80.00 61467573

Total Attachments: 12

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ASSIGNMENT

WHEREAS, Jeffrey Lancaster, residing at 452 Riverside Drive, Apt. 84, New York, NY 10027, USA; Nicholas J. Turro, residing at 3000 Broadway, MC3119, NY 10027 and, Jeffrey T. Koberstein, residing at 116 Wildwood Road, Storrs, CT 06268, USA; (the "Assignors,") are the inventors of certain new and useful inventions and discoveries, disclosed in patent applications entitled "HETEROTRIFUNCTIONAL MOLECULES AND METHODS FOR THE SYNTHESIS OF DENDRIMERIC MATERIALS" (the "Invention"), for which a provisional patent application was filed with the United States Patent and Trademark Office on March 25, 2011, and assigned Application Number 61/467,573, ("the Application"); and

WHEREAS, The Trustees of Columbia University in the City of New York, existing under the laws of the State of New York, having its principal office at 412 Low Memorial Library, 535 West 116th Street, New York, NY 10027, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited;

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignors hereby assign to Assignee all of Assignors' right, title and interest in the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application; any application that claims priority from the Application (including utility applications, divisionals, continuations, continuations-in-part, international applications or any foreign regional or national applications), or any application based in whole or in part on any of the foregoing.

Assignors agree that such Assignors and Assignors' heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above application, execute, verify, acknowledge and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignors relating to the Invention, to obtain or maintain or



enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Assignors further agree that such Assignors will, without further compensation to Assignors during the term of such Assignors' employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this _____ day of _____ (Month/Year).

Jeffrey Lancaster

On this _____ day of _____ (Month/Year), Jeffrey Lancaster, personally known to me to be the same individual who executed the foregoing Assignment, acknowledged to me that execution of the same was of his/her own free will for the use and purposes therein set forth.

WITNESS: _____

Printed Name: _____

Residential Address:

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 24 day of
March, 2012 (Month/Year).

NJ Turro
Nicholas J. Turro

On this 24 day of March, 2012 (Month/Year), Nicholas J. Turro, personally known to me to be the same individual who executed the foregoing Assignment, acknowledged to me that execution of the same was of his/her own free will for the use and purposes therein set forth.

WITNESS: Sandra M. Turro

Printed Name: SANDRA M. TURRO

Residential Address:
125 DOWNEY Drive
Tenafly, NJ 07670

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this _____ day of
_____ (Month/Year).

Jeffrey T. Koberstein

On this _____ day of _____ (Month/Year), Jeffrey T. Koberstein,
personally known to me to be the same individual who executed the foregoing Assignment,
acknowledged to me that execution of the same was of his/her own free will for the use and
purposes therein set forth.

WITNESS: _____

Printed Name: _____

Residential Address:

ASSIGNMENT

WHEREAS, Jeffrey Lancaster, residing at 452 Riverside Drive, Apt. 84, New York, NY 10027, USA; Nicholas J. Turro, residing at 3000 Broadway, MC3119, NY 10027 and, Jeffrey T. Koberstein, residing at 116 Wildwood Road, Storrs, CT 06268, USA; (the "Assignors,") are the inventors of certain new and useful inventions and discoveries, disclosed in patent applications entitled "HETEROTRIFUNCTIONAL MOLECULES AND METHODS FOR THE SYNTHESIS OF DENDRIMERIC MATERIALS" (the "Invention"), for which a provisional patent application was filed with the United States Patent and Trademark Office on March 25, 2011, and assigned Application Number 61/467,573, ("the Application"); and

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Assignors agree that such Assignors and Assignors' heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above application, execute, verify, acknowledge and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignors relating to the Invention, to obtain or maintain or

enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Assignors further agree that such Assignors will, without further compensation to Assignors during the term of such Assignors' employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this _____ day of _____ (Month/Year).

Jeffrey Lancaster

On this _____ day of _____ (Month/Year), Jeffrey Lancaster, personally known to me to be the same individual who executed the foregoing Assignment, acknowledged to me that execution of the same was of his/her own free will for the use and purposes therein set forth.

WITNESS: _____

Printed Name: _____

Residential Address:

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this _____ day of
_____ (Month/Year).

Nicholas J. Turro

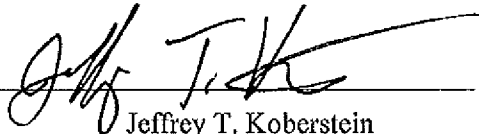
On this _____ day of _____ (Month/Year), Nicholas J. Turro, personally
known to me to be the same individual who executed the foregoing Assignment, acknowledged
to me that execution of the same was of his/her own free will for the use and purposes therein set
forth.

WITNESS: _____

Printed Name: _____

Residential Address:

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 17 day of
April 2012 (Month/Year).


Jeffrey T. Koberstein

On this 17 day of April 2012 (Month/Year), Jeffrey T. Koberstein,
personally known to me to be the same individual who executed the foregoing Assignment,
acknowledged to me that execution of the same was of his/her own free will for the use and
purposes therein set forth.

WITNESS:



Printed Name: SANAT KUMAR

Residential Address:

2700 BROADWAY, 11A

NEW YORK, NY 10025

ASSIGNMENT

WHEREAS, Jeffrey Lancaster, residing at 452 Riverside Drive, Apt. 84, New York, NY 10027, USA; Nicholas J. Turro, residing at 3000 Broadway, MC3119, NY 10027 and, Jeffrey T. Koberstein, residing at 116 Wildwood Road, Storrs, CT 06268, USA; (the "Assignors,") are the inventors of certain new and useful inventions and discoveries, disclosed in patent applications entitled "HETEROTRIFUNCTIONAL MOLECULES AND METHODS FOR THE SYNTHESIS OF DENDRIMERIC MATERIALS" (the "Invention"), for which a provisional patent application was filed with the United States Patent and Trademark Office on March 25, 2011, and assigned Application Number 61/467,573, ("the Application"); and

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IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 22 day of
MARCH / 2012 (Month/Year).

Jeffrey Lancaster
Jeffrey Lancaster

On this 22 day of March 2012 (Month/Year), Jeffrey Lancaster, personally known to me to be the same individual who executed the foregoing Assignment, acknowledged to me that execution of the same was of his/her own free will for the use and purposes therein set forth.

WITNESS: Ceyla Williams
Printed Name: CEYLA WILLIAMS
Residential Address:
199 SAINT MARKS AVENUE
BROOKLYN, 11238
NEW YORK, NY

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this _____ day of
_____ (Month/Year).

Nicholas J. Turro

On this _____ day of _____ (Month/Year), Nicholas J. Turro, personally known to me to be the same individual who executed the foregoing Assignment, acknowledged to me that execution of the same was of his/her own free will for the use and purposes therein set forth.

WITNESS: _____

Printed Name: _____

Residential Address:

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this _____ day of
_____ (Month/Year).

Jeffrey T. Koberstein

On this _____ day of _____ (Month/Year), Jeffrey T. Koberstein,
personally known to me to be the same individual who executed the foregoing Assignment,
acknowledged to me that execution of the same was of his/her own free will for the use and
purposes therein set forth.

WITNESS: _____

Printed Name: _____

Residential Address:

