Form PTO-1595 (Rev. 06-12) OMB No. 0651-0027 (exp. 04/30/2015)

U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office

RECORDATION FO	RM COVER SHEET	
PATENTS ONLY		
To the Director of the U.S. Patent and Trademark Office: Pleas	e record the attached documents or the new address(es) below.	
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)	
Giangiacomo Torri	Name: Istituto di Ricerche Chimiche e Biochimiche "G. Ronzoni"	
Elena Vismara Israel Vlodavsky	Internal Address:	
Annamaria Naggi		
Additional name(s) of conveying party(ies) attached? Yes X No	Vin C. Colomba 91	
3. Nature of conveyance/Execution Date(s):	Street Address: Via G. Colombo 81	
Execution Date(s)9/30/11;10/05/11;10/03/11; 10/03/11		
Assignment Merger	City:_Milan	
Security Agreement Change of Name		
Joint Research Agreement	State:	
Government Interest Assignment	Country: IT Zip: 1-20133	
Executive Order 9424, Confirmatory License		
X Other Corrective Assignment	Additional name(s) & address(es) attached? Yes X No	
	document serves as an Oath/Declaration (37 CFR 1.63).	
A. Patent Application No.(s)	B. Patent No.(s)	
13/056,085		
Additional numbers at	 ached?	
5. Name and address to whom correspondence	6. Total number of applications and patents	
concerning document should be mailed:	involved: One	
Name: Robert Mlotkowski Safran & Cole, P.C.	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00	
Internal Address:		
	X Authorized to be charged to deposit account	
Street Address: P.O. Box 10064	Enclosed	
	None required (government interest not affecting title)	
City: McLean	8. Payment Information	
State: VAZip: 22102-8064		
Phone Number: 703-584-3270		
	Deposit Assount Number 50-2478	
	Deposit Account Number	
Docket Number: 339670-00501  Email Address: klane@rmsclaw.com	Deposit Account Number50-2478  Authorized User NameJustin Krieger	
Docket Number: 339670-00501	Authorized User Name_ Justin Krieger	
Docket Number: 339670-00501  Email Address: klane@rmsclaw.com  9. Signature:  Signature	Deposit Account Number	
Docket Number: 339670-00501  Email Address: klane@rmsclaw.com  9. Signature:  Kimberly Lane	Authorized User NameJustin Krieger  October 23, 2013  Date  Total number of pages including cover	
Docket Number: 339670-00501  Email Address: klane@rmsclaw.com  9. Signature:  Signature	Authorized User Name	

**PATENT REEL: 031607 FRAME: 0779** 

# **PATENT ASSIGNMENT**

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

# **CONVEYING PARTY DATA**

Name	Execution Date
Giangiacomo Torri	09/30/2011
Elena Vismara	10/05/2011
Israel Vlodavsky	10/03/2011
Annamaria Naggi	10/03/2011

## **RECEIVING PARTY DATA**

Name:	Instituto Scientifico Di Chimica E Biochimica "G. Ronzoni"
Street Address:	Via G. Colombo, 81
City:	Milan
State/Country:	ITALY
Postal Code:	1-20133

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13056085

# CORRESPONDENCE DATA

Fax Number: (703)848-2981 Phone: 703-584-3270

Emeil: KLane@rmsclaw.com,IP@rmsclaw.com,docketing@rmsclaw.com

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

Mail.

Correspondent Name: Robert Mlotkowski Safran & Cole, P.C.

Address Line 1: PO Box 10064

Address Line 4: McLean, VIRGINIA 22102-8064

ATTORNEY DOCKET NUMBER:	339670-00501
NAME OF SUBMITTER:	Justin L. Krieger

Total Attachments: 4 source=00001594#page1.tif source=00001594#page2.tif source=00001594#page3.tif source=00001594#page4.tif

> PATENT REEL: 031607 FRAME: 0780

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#### ASSIGNMENT

WHEREAS, GIANGIACOMO TORRI residing at VIA G. COLOMBO, 81/A, MILAN, ITALY 20133; ELENA VISMARA residing at VIA G. COLOMBO, 81/A, MILAN, ITALY 20133; and ISRAEL VLODAVSKY mailing address of C/O VASCULAR AND TUMOR BIOLOGY RESEARCH CENTER, P.O. BOX 9646, HAIFA, ISREAL 31096; and ANNAMARIA NAGGI residing at VIALE CADORNA, 27, LEGNANO, ITALY 20025 (hereinafter referred to as ASSIGNORS), has been assigned the entire right, title and interest in and to the same in the United States and throughout the world certain new and useful improvements in MIMETICS OF SULFATED OLIGOSACCHARIDES (hereinafter referred to as The INVENTION) for which an application for United States Letters Patent was filed on January 26, 2011, as Serial No. 13/056,085.

INVENTION) for which an application for United States Letters Patent was filed on January 26, 2011, as Serial No. 13/056,085.

Stituto di Rice Che Chimi che e Biochimiche il Royaloni "
WHEREAS, LIESTITUTO SCIENTIFICO DI CHIMICA E BIOCHIMICA "G. RONZONI", a corporation duly organized under and pursuant to the laws of Delaware and whose post office address is VIA G. COLOMBO, 81, MILAN, ITALY, 1-20133 (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title and interest in and to the same in the United States and throughout the world.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNORS, by these presents does sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention and application throughout the United States of America, including any and all United States Letters Patent granted on any non-provisional, division, continuation, and reissue of said application; and the entire right, title and interest in and to said invention throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded ASSIGNOR under the terms of the Paris International Convention and all other available international conventions and treaties; and the entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of said invention.

ALSO, ASSIGNORS hereby agree to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) or inventor certificate(s) in the United States and in foreign countries for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention, all without further consideration. ASSIGNORS also agree, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the invention that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNORS in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument.

ASSIGNORS also agree, without further consideration and at ASSIGNEE's expense, to transfer the right to sue for past infringement to ASSIGNEE and at ASSIGNEE's request documents and information concerning the enforcement of the right to sue within ASSIGNORS possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the right to sue of any patent encompassed within the terms of this instrument.

Assignors' obligation under this instrument shall extend to Assignor's heirs, executors, administrators and other legal representatives.

ASSIGNORS hereby grant the firm of Roberts Mlotkowski Safran & Cole, P.C of McLean, Virginia, 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 United States Patent and Trademark Office for recordation of this document.

ASSIGNORS hereby authorize and requests the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent referred to above to ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behalf; and for the use and behalf of ASSIGNEE's legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNORS had this assignment and sale not been made.

Garlon &.

Date Dehler JD ZON Signature of Assignor	promisicono vori
STATE OF)	GUNGIACOMO TORRI
COUNTY OF)	
Before me personally appeared the person whose national instrument in my presence for the purpose contained	ame is subscribed to the foregoing instrument, and executed the ed therein, by signing his name hereto.
Subscribed and Sworn to before me, in my presence,	
This day of,	
Notary Public	
My commission expires	

Attorney Docket No. 339670-00501

Signature of Assignor ELENA VISMARA STATE OF \_\_\_\_\_\_ ) SS COUNTY OF \_\_\_\_\_ ) Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his name hereto. Subscribed and Sworn to before me, in my presence, This \_\_\_\_\_ day of \_\_\_\_\_\_ Date Oct. 3rd, 2011 Signature of Assignor Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his name hereto. Subscribed and Sworn to before me, in my presence, This \_\_\_ day of \_\_\_\_\_ Notary Public My commission expires \_\_\_\_ Signature of Assignor Date \_\_\_\_ ANNAMARIA NAGGI Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his name hereto. Subscribed and Sworn to before me, in my presence, This \_\_\_\_\_ day of \_\_\_\_\_\_ \_\_\_\_\_\_ 

Attorney Docket No. 339670-00501

Signature of Assignor ELENA VISMARA STATE OF \_\_\_\_\_\_ ) SS COUNTY OF \_\_\_\_\_ ) Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his name hereto. Subscribed and Sworn to before me, in my presence, This \_\_\_\_\_day of \_\_\_\_\_, \_\_\_\_ Notary Public \_\_\_\_ My commission expires \_\_\_\_\_ Signature of Assignor ISRAEL VLODAVSKY Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his name hereto. Subscribed and Sworn to before me, in my presence, This \_\_\_\_\_, \_\_\_\_\_, Notary Public My commission expires Gunamaria Naggi Date 3/10/2011 Signature of Assignor STATE OF \_\_\_\_\_\_ ) SS COUNTY OF \_\_\_\_\_ ) Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his name hereto. Subscribed and Sworn to before me, in my presence, This \_\_\_\_\_, \_\_\_\_, 

Attorney Docket No. 339670-00501

Date OKTOBER, 5th, 2011 Signature of Assignor STATE OF \_\_\_\_\_\_ ) SS COUNTY OF \_\_\_\_\_ ) Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his name hereto. Subscribed and Sworn to before me, in my presence, This \_\_\_\_\_\_ day of \_\_\_\_\_\_, \_\_\_\_\_ Notary Public My commission expires Date \_\_\_\_\_ Signature of Assignor ISRAEL VLODAVSKY STATE OF \_\_\_\_\_\_ ) SS COUNTY OF \_\_\_\_\_ ) Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his name hereto. Subscribed and Sworn to before me, in my presence, This \_\_\_\_\_\_ day of \_\_\_\_\_\_, \_\_\_\_\_ Notary Public My commission expires Signature of Assignor Annamaria Naggi STATE OF \_\_\_\_\_\_ ) SS COUNTY OF \_\_\_\_\_ ) Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his name hereto. Subscribed and Sworn to before me, in my presence, This \_\_\_\_\_, \_\_\_\_, Notary Public My commission expires

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10/23/2013 12:13 FAX 703 848 2981

RMSC LAW

☑ 007/014

027358/0544 PAGE 2

ASSIGNMENT RECORDATION BRANCH PUBLIC RECORDS DIVISION

PATENT REEL: 031607 FRAME: 0785

#### ASSIGNMENT

WHEREAS, GIANGIACOMO TORRI residing at VIA G. COLOMBO, 81/A, MILAN, ITALY 20133; ELENA VISMARA residing at VIA G. COLOMBO, 81/A, MILAN, ITALY 20133; and ISRAEL VLODAVSKY mailing address of C/O VASCULAR AND TUMOR BIOLOGY RESEARCH CENTER, P.O. BOX 9646, HAIFA, ISREAL 31096; and ANNAMARIA NAGGI residing at VIALE CADORNA, 27, LEGNANO, ITALY 20025 (hereinafter referred to as ASSIGNORS), has been assigned the entire right, title and interest in and to the same in the United States and throughout the world certain new and useful improvements in MIMETICS OF SULFATED OLIGOSACCHARIDES (hereinafter referred to as THE INVENTION) for which an application for United States Letters Patent was filed on January 26, 2011, as Serial No. 13/056,085.

WHEREAS, Instituto Scientifico Di Chimica E Biochimica "G. Ronzoni", a corporation duly organized under and pursuant to the laws of Delaware and whose post office address is VIA G. COLOMBO, 81, MILAN, ITALY, 1-20133 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to the same in the United States and throughout the world.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, Assignors, by these presents does sell, assign and transfer unto said Assignee, the entire right, title and interest in and to said invention and application throughout the United States of America, including any and all United States Letters Patent granted on any non-provisional, division, continuation, and reissue of said application; and the entire right, title and interest in and to said invention throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded Assignor under the terms of the Paris International Convention and all other available international conventions and treaties; and the entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of said invention.

ALSO, ASSIGNORS hereby agree to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) or inventor certificate(s) in the United States and in foreign countries for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention, all without further consideration. ASSIGNORS also agree, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the invention that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNORS in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument.

ASSIGNORS also agree, without further consideration and at ASSIGNEE's expense, to transfer the right to sue for past infringement to ASSIGNEE and at ASSIGNEE's request documents and information concerning the enforcement of the right to sue within ASSIGNORS possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the right to sue of any patent encompassed within the terms of this instrument.

ASSIGNORS' obligation under this instrument shall extend to ASSIGNOR'S heirs, executors, administrators and other legal representatives.

ASSIGNORS hereby grant the firm of Roberts Młotkowski Safran & Cole, P.C of McLean, Virginia, 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 United States Patent and Trademark Office for recordation of this document.

ASSIGNORS hereby authorize and requests the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent referred to above to ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behalf; and for the use and behalf of ASSIGNEE's legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNORS had this assignment and sale not been made.

Date September 39 2011 Signature of Assignor	frantiacomo borri
STATE OF)	GUNGIACOMO TORRI
COUNTY OF) SS	
Before me personally appeared the person whose nan foregoing instrument in my presence for the purpose contained	me is subscribed to the foregoing instrument, and executed the d therein, by signing his name hereto.
Subscribed and Sworn to before me, in my presence,	
This, day of,	
Notary Public	
My commission expires	

Attorney Docket No. 339670-00501

Date OKTOBER, 5th 2011 Signature of Assignor Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his name hereto. Subscribed and Sworn to before me, in my presence, This \_\_\_\_\_\_ day of \_\_\_\_\_\_, \_\_\_\_\_ Notary Public \_\_\_\_ My commission expires Signature of Assignor ISRAEL VLODAVSKY Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his name hereto. Subscribed and Sworn to before me, in my presence, This \_\_\_\_\_, \_\_\_\_, Notary Public My commission expires Signature of Assignor ANNAMARIA NAGGI STATE OF \_\_\_\_\_\_ ) SS COUNTY OF \_\_\_\_\_ ) Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his name hereto. Subscribed and Sworn to before me, in my presence, This \_\_\_\_\_ day of \_\_\_\_\_, 

Page 2 of 2

Attorney Docket No. 339670-00501

Signature of Assignor Date \_\_\_\_\_ ELENA VISMARA STATE OF \_\_\_\_\_\_\_ ) SS COUNTY OF \_\_\_\_\_\_ ) Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his name hereto. Subscribed and Sworn to before me, in my presence, Notary Public \_\_\_ My commission expires \_\_\_\_\_ Date Oct. 3rd 2011 Signature of Assignor Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his name hereto. Subscribed and Sworn to before me, in my presence, This \_\_\_\_\_ day of \_\_\_\_\_\_ Notary Public My commission expires \_\_\_\_\_ Signature of Assignor Date \_\_\_\_\_ Annamaria Naggi STATE OF \_\_\_\_\_\_ ) SS COUNTY OF \_\_\_\_\_ ) Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his name hereto. Subscribed and Sworn to before me, in my presence, This \_\_\_\_\_ day of \_\_\_\_\_\_ Notary Public \_\_\_\_\_\_\_ My commission expires \_\_\_\_\_\_

Attorney Docket No. 339670-00501

Signature of Assignor ELENA VISMARA STATE OF \_\_\_\_\_\_\_ ) SS COUNTY OF \_\_\_\_\_\_ ) Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his name hereto. Subscribed and Sworn to before me, in my presence, This \_\_\_\_\_ day of \_\_\_\_\_\_ Signature of Assignor ISRAEL VLODAVSKY Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his name hereto. Subscribed and Sworn to before me, in my presence, This \_\_\_\_\_\_ day of \_\_\_\_\_\_, \_\_\_\_\_ Notary Public My commission expires Gunamaria Nuffi Date 3/10/2011 Signature of Assignor Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his name hereto. Subscribed and Sworn to before me, in my presence, 

Page 2 of 2

PATENT REEL: 031607 FRAME: 0789