

PATENT ASSIGNMENT

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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>Vesna Biberovic</td><td>07/23/2007</td></tr><tr><td>Luc Grondard</td><td>07/13/2007</td></tr><tr><td>Pierre Mourier</td><td>07/23/2007</td></tr><tr><td>Christian Viskov</td><td>07/23/2007</td></tr></tbody></table>	Name	Execution Date	Vesna Biberovic	07/23/2007	Luc Grondard	07/13/2007	Pierre Mourier	07/23/2007	Christian Viskov	07/23/2007	
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Vesna Biberovic	07/23/2007										
Luc Grondard	07/13/2007										
Pierre Mourier	07/23/2007										
Christian Viskov	07/23/2007										
RECEIVING PARTY DATA											
Name:	Aventis Pharma SA										
Street Address:	20 avenue Raymond Aron										
City:	Antony										
State/Country:	FRANCE										
Postal Code:	92160										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>13103960</td></tr></tbody></table>	Property Type	Number	Application Number:	13103960							
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Application Number:	13103960										
CORRESPONDENCE DATA											
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NAME OF SUBMITTER:	A. Jacqueline Wizeman, Ph.D.										
Total Attachments: 4 source=119363_00102_CopyofAssignment#page1.tif source=119363_00102_CopyofAssignment#page2.tif source=119363_00102_CopyofAssignment#page3.tif source=119363_00102_CopyofAssignment#page4.tif											

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PATENT
REEL: 027193 FRAME: 0145

ASSIGNMENT

WHEREAS We, the below named inventors, [hereinafter referred to as Assignors], have made an invention entitled:

MIXTURES OF POLYSACCHARIDES DERIVED FROM HEPARIN, THEIR PREPARATION AND PHARMACEUTICAL COMPOSITIONS CONTAINING THEM

for which We filed an application for United States Letters Patent on October 8, 2003, (Application No. 10/680,934 and Confirmation No. 6025.); and

WHEREAS, Aventis Pharma SA, a corporation of France whose post office address is 20 avenue Raymond Aron, 92160, Antony, France (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

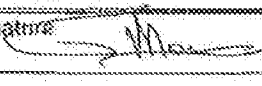
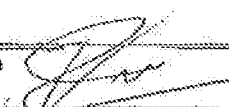
NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, We, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention, provisional Application No. 60/430,095, filed December 2, 2002, French Patent Application No. 02 12584, filed October 10, 2002, and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of the above provisional application and French application, as well as all rights to claim priority on the basis of this application, and all applications for Letters Patent which have been or may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and /We have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, We have hereunto set our hands.

Full Name of First Inventor Vesna BIBEROVIC	Inventor's Signature <i>Vesna Biberovic</i>	Date 23/07/07
Residence Aulnay-Sous-Bois, France	Citizenship French	
Post Office Address 25 Allée du Sagittaire 93600 Aulnay-Sous-Bois, France		

Full Name of Second Inventor Luc GRONDARD	Inventor's Signature	Date
Residence Courcouronnes, France		Citizenship French
Post Office Address 9 Square Babourd 91080 Courcouronnes, France		
Full Name of Third Inventor Pierre MOURIER	Inventor's Signature 	Date 23/07/07
Residence Charenton Le Pont, France		Citizenship French
Post Office Address 1 rue Etienne Mehul Charenton Le Pont, France		
Full Name of Fourth Inventor Christian VISKOV	Inventor's Signature 	Date 23/07/07
Residence Combs la Ville, France		Citizenship French
Post Office Address 30 avenue de la Chesnaie 77380 Combs la Ville, France		

ASSIGNMENT

WHEREAS We, the below named inventors, [hereinafter referred to as Assignors], have made an invention entitled:

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for which We filed an application for United States Letters Patent on October 8, 2003, (Application No. 10/680,934 and Confirmation No. 6025.); and

WHEREAS, Aventis Pharma SA, a corporation of France whose post office address is 20 avenue Raymond Aron, 92160, Antony, France (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, We, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention, provisional Application No. 60/430,095, filed December 2, 2002, French Patent Application No. 02 12584, filed October 10, 2002, and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of the above provisional application and French application, as well as all rights to claim priority on the basis of this application, and all applications for Letters Patent which have been or may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, We have hereunto set our hands.

Full Name of First Inventor Vesna BIBEROVIC	Inventor's Signature	Date
Residence Aulnay-Sous-Bois, France		Citizenship French
Post Office Address 25 Allée du Sagittaire 93600 Aulnay-Sous-Bois, France		

Full Name of Second Inventor Luc GRONDARD	Inventor's Signature X	Date 09/13/2007
Residence Courcouronnes, France		Citizenship French
Post Office Address 9 Square Babourd 91080 Courcouronnes, France		
Full Name of Third Inventor Pierre MOURIER	Inventor's Signature	Date
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Full Name of Fourth Inventor Christian VISKOV	Inventor's Signature	Date
Residence Ris Orangis, France		Citizenship French
Post Office Address 3 rue du Béarn 91130 Ris Orangis, France		