

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>Julian Bonnerjea</td><td>08/24/2005</td></tr><tr><td>Anna Preneta</td><td>08/24/2005</td></tr></tbody></table>	Name	Execution Date	Julian Bonnerjea	08/24/2005	Anna Preneta	08/24/2005	
Name	Execution Date						
Julian Bonnerjea	08/24/2005						
Anna Preneta	08/24/2005						
RECEIVING PARTY DATA							
Name:	LONZA BIOLOGICS PLC.						
Street Address:	228 Bath Road						
City:	Slough, Berkshire						
State/Country:	UNITED KINGDOM						
Postal Code:	SL 14DY						
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>11419306</td></tr></tbody></table>	Property Type	Number	Application Number:	11419306			
Property Type	Number						
Application Number:	11419306						
CORRESPONDENCE DATA							
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NAME OF SUBMITTER:	B. J. Sadoff						
Total Attachments: 1 source=4145-36-assignment#page1.tif							

OP \$40.00 11419306

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PATENT
REEL: 020370 FRAME: 0180

ASSIGNMENT OF PATENT APPLICATION

(Inventors) Julian BONNERJEA
Anna PRENETA

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(Assignee) Lonza Biologics plc.

(Address) (of 228 Bath Road, Slough, Berkshire, United Kingdom SL 14DY

(Other

Countries)

(Title)

(hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions, and for the country of (in the invention, and all application(s) for patent and any Letters Patent which may be granted therefor, known as

ANTIBODY PURIFICATION BY PROTEIN A AND ION EXCHANGE CHROMATOGRAPHY (Case No. 4145-26)

for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed (on or has already filed in

(U.S. appin. Serial No.

filed on).

The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. 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 Office for recordation of this document. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date 24 Aug 05

Signature of inventor

(

J. Bonnerjea

Julian BONNERJEA

Date 24 Aug 05

Signature of inventor

(

A. Preneta

Anna PRENETA

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PATENT

RECORDED: 01/16/2008

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