

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>Angelo PERANI</td><td>01/29/2008</td></tr><tr><td>Andy RACHER</td><td>01/22/2008</td></tr><tr><td>John BIRCH</td><td>01/21/2008</td></tr></tbody></table>		Name	Execution Date	Angelo PERANI	01/29/2008	Andy RACHER	01/22/2008	John BIRCH	01/21/2008
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Angelo PERANI	01/29/2008								
Andy RACHER	01/22/2008								
John BIRCH	01/21/2008								
RECEIVING PARTY DATA									
Name:	LONZA BIOLOGICS PLC								
Street Address:	228 Bath Road, Slough								
City:	Berkshire								
State/Country:	UNITED KINGDOM								
Postal Code:	SL1 4DY								
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>10489961</td></tr></tbody></table>		Property Type	Number	Application Number:	10489961				
Property Type	Number								
Application Number:	10489961								
CORRESPONDENCE DATA									
Fax Number: (703)816-4100 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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ATTORNEY DOCKET NUMBER:	BJS-4145-10								
NAME OF SUBMITTER:	B. J. Sadoff								
Total Attachments: 4 source=4145-10-assignment-4-15-08#page1.tif source=4145-10-assignment-4-15-08#page2.tif									

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4145-10

ASSIGNMENT OF PATENT APPLICATION

(Inventors) Angelo PERANI
Andy RACHER
John BIRCH

(Assignee) In consideration of the sum of one dollar (\$1.00) and other good and valuable
(Address) considerations paid to each of the undersigned, the undersigned agree(s) to assign, and
hereby does assign, transfer and set over to
LONZA BIOLOGICS PLC
(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
(Other Countries) In the invention, and all application(s) for patent and any Letters Patent which
may be granted therefor, known as
(Title) USE OF AMINOGLYCOSIDE RESISTANCE GENE (Case No. 4145-10)
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. appln. Serial No. 10/489,961, filed on March 18, 2004.
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.

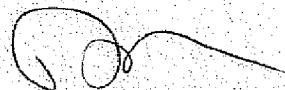
The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a
grant of a valid United States patent to the Assignee.

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 28 Jun 2008 Signature of inventor



Angelo PERANI

Date _____ Signature of inventor

Andy RACHER

Date _____ Signature of inventor

John BIRCH

4145-10

ASSIGNMENT OF PATENT APPLICATION

(Inventors) **Angelo PERANI**
Andy RACHER
John BIRCH

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for the United States, its territories, dependencies and possessions, and for the country of
(Other in the invention, and all application(s) for patent and any Letters Patent which
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(Title) USE OF AMINOGLYCOSIDE RESISTANCE GENE (Case No. 4145-10)
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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.

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

1291012

Date _____ Signature of inventor

Date 22nd JAN 2008 Signature of inventor

Date 21st JAN 2008 Signature of inventor

Angelo PERANI

Andy RACHER

John Birch
John BIRCH