

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>David Luttrupp</td> <td>03/18/2011</td> </tr> <tr> <td>Bernd Krause</td> <td>03/15/2011</td> </tr> <tr> <td>Andrea Schnell</td> <td>03/16/2011</td> </tr> <tr> <td>Helmut Geiger</td> <td>03/20/2011</td> </tr> <tr> <td>Juergen Bereiter-Hahn</td> <td>04/01/2011</td> </tr> <tr> <td>Patrick Baer</td> <td>03/28/2011</td> </tr> <tr> <td>Reinhold Deppisch</td> <td>03/17/2011</td> </tr> <tr> <td>Markus Neubauer</td> <td>04/06/2011</td> </tr> </tbody> </table>		Name	Execution Date	David Luttrupp	03/18/2011	Bernd Krause	03/15/2011	Andrea Schnell	03/16/2011	Helmut Geiger	03/20/2011	Juergen Bereiter-Hahn	04/01/2011	Patrick Baer	03/28/2011	Reinhold Deppisch	03/17/2011	Markus Neubauer	04/06/2011
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RECEIVING PARTY DATA																			
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City:	Lund																		
State/Country:	SWEDEN																		
Postal Code:	SE-220 10																		
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>13120298</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13120298														
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CORRESPONDENCE DATA																			
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CH \$40.00 13120298

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PATENT
REEL: 026136 FRAME: 0114

NAME OF SUBMITTER:

Richard D. Conard

Total Attachments: 9

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PATENT ASSIGNMENT

For good and valuable consideration to each of the undersigned, the receipt and sufficiency of which is hereby acknowledged

Name(s) of Inventor(s) David LUTTROPP, Helmut GEIGER,
Bernd KRAUSE, Jürgen BEREITER-HAHN,
Markus NEUBAUER, Patrick BAER
Andrea SCHNELL,

Reinhold DEPPISCH, deceased by Doris Deppisch, sole heir of Reinhold DEPPISCH

maker(s) of an invention which is the subject of an application for Letters Patent of the United States ("Application") entitled

Title of Application HYBRID BIOARTIFICIAL KIDNEY

Serial No.: PCT/EP2009/006860
Filing Date: 9/23/2009 I. F. D.

the undersigned hereby sell(s), assign(s), and set(s) over to

Name of Assignee GAMBRO LUNDIA AB

Address of principal place of business Magistratsvagen 16
Lund, S-220 10 Sweden

Insert State of Incorporation (if applicable) or "Not Applicable" a corporation of Sweden

(hereinafter designated as the Assignee) their entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries, including Canada, which may be granted for such inventions, or any of them, all such inventions and all rights in such Application and Letters Patent to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by them had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the application(s) in the United States and foreign countries and any continuing, divisional, or reissue applications thereof, and any reexamination of any of such applications, and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared or litigation concerning the application(s) or continuation, division, reissue, or reexamination thereof, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or litigation.

The undersigned agree(s) to execute all papers and documents and 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.

ASSIGNMENT TO BUSINESS CONCERN

The undersigned agree(s) to do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States and in all other countries where Assignee may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

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(s) or any division or divisions or continuing or reissue applications thereof, and any reexamination of any of such applications, to the said Assignee, as Assignee of Assignors' entire interest, and hereby covenants that the undersigned has full right to convey the interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the attorney of record 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.

IN WITNESS WHEREOF, I have executed this assignment at Hechingen, Germany
(city and state or country if outside USA)
this 18th day of March, 2011.

Outside the USA:
Witnesses are
required when
acknowledgment
before a Notary
Public is not
feasible.

[Signature]
Witness Karin Lamprecht
[Signature]
Witness Ursula Ehrenberg

[Signature]
Inventor (Signature)
David LUTTROPP
Inventor (Printed Name)

IN WITNESS WHEREOF, I have executed this assignment at Hechingen, Germany
(city and state or country if outside USA)
this 15th day of March, 2011.

Outside the USA: Adelheid Schmidt
Witnesses are required when acknowledgment before a Notary Public is not feasible.
Witness Adelheid Schmidt
Ursula Ehrnberg
Witness

Bernd Krause
Inventor (Signature)
Bernd KRAUSE
Inventor (Printed Name)

IN WITNESS WHEREOF, I have executed this assignment at Hachingen, Germany
(city and state or country if outside USA)
this 16th day of March, 2011.

Outside the USA:
Witnesses are
required when
acknowledgment
before a Notary
Public is not
feasible.

Adelheid Schmidt
Witness Adelheid Schmidt
Ursula Ehrnbey
Witness Ursula Ehrnbey

Andrea Schnell
Inventor (Signature)
Andrea SCHNELL
Inventor (Printed Name)

IN WITNESS WHEREOF, I have executed this assignment at Frankfurt, Germany
(city and state or country if outside USA)
this 20 day of 03, 2011.

Outside the USA:
Witnesses are
required when
acknowledgment
before a Notary
Public is not
feasible.

Adelheid Schmidt
Witness Adelheid Schmidt

Ursula Schunberg
Witness Ursula Schunberg

Helmut Geiger
Inventor (Signature)

Helmut GEIGER
Inventor (Printed Name)

IN WITNESS WHEREOF, I have executed this assignment at Hechingen, Germany
(city and state or country if outside USA)
this 1st day of April, 2011.

Outside the USA:
Witnesses are
required when
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before a Notary
Public is not
feasible.

[Signature]
Witness Karin Lamprecht
[Signature]
Witness Ursula Ehmberg

[Signature]
Inventor (Signature)
Jürgen BEREITER-HAHN
Inventor (Printed Name)

IN WITNESS WHEREOF, I have executed this assignment at Hechingen Germany
(city and state or country if outside USA)
this 28 day of March, 2011.

Outside the USA:
Witnesses are
required when
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before a Notary
Public is not
feasible.

Witness Karin Lamprecht
[Signature]
Witness Ursula Ehrenberg
[Signature]

[Signature]
Inventor (Signature)
Patrick BAER
Inventor (Printed Name)

IN WITNESS WHEREOF, I have executed this assignment at Hechingen, Germany
(city and state or country if outside USA)
this 17th day of March, 2011.

Outside the USA:
Witnesses are
required when
acknowledgment
before a Notary
Public is not
feasible.

Ursula Ehruberg
Witness
Adelheid Schmidt
Witness Adelheid Schmidt

Inventor (Signature)
Doris Deppisch
Reinhold DEPPISCH, deceased by
Doris DEPPISCH, sole heir of
Reinhold DEPPISCH

IN WITNESS WHEREOF, I have executed this assignment at Penzance, Germany
(city and state or country if outside USA)
this 6 day of April, 2011.

Outside the USA:
Witnesses are
required when
acknowledgment
before a Notary
Public is not
feasible.

Witness [Signature]
Karin Lamprecht
Witness [Signature]
Ulrich Ehrberg

[Signature]
Inventor (Signature)
Markus NEUBAUER
Inventor (Printed Name)