**PATENT ASSIGNMENT COVER SHEET**

**SUBMISSION TYPE:** NEW ASSIGNMENT  
**NATURE OF CONVEYANCE:** ASSIGNMENT

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<td>OZLEM TURECI</td>
<td>10/02/2008</td>
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<tr>
<td>DIRK USENER</td>
<td>10/06/2008</td>
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<td>STEFAN FRITZ</td>
<td>10/07/2008</td>
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<td>CHRISTOPH UHEREK</td>
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<td>GUNDA BRANDENBURG</td>
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<td>HARALD-GERHARD GEPPERT</td>
<td>10/05/2008</td>
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<td>ANJA KRISTINA SCHRODER</td>
<td>10/20/2008</td>
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<tr>
<td>PHILIPPE THIEL</td>
<td>10/08/2008</td>
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<td>GANYMED PHARMACEUTICALS AG</td>
<td>FREILIGRATHSTRASSE 12</td>
<td></td>
<td>GERMANY</td>
<td>55131</td>
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<tr>
<td>JOHANNES GUTENBERG-UNIVERSITAT MAINZ</td>
<td>SAARSTRASSE 21</td>
<td></td>
<td>GERMANY</td>
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**CORRESPONDENCE DATA**

Fax Number: (312)775-8100  
*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.*

Phone: 312-775-8000  
Email: mhmpto@mcandrews-ip.com
<table>
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<tr>
<th>Correspondent Name:</th>
<th>MCANDREWS, HELD &amp; MALLOY, LTD.</th>
</tr>
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<tr>
<td>Address Line 1:</td>
<td>500 W. MADISON ST.</td>
</tr>
<tr>
<td>Address Line 2:</td>
<td>34TH FL.</td>
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<td>Address Line 4:</td>
<td>CHICAGO, ILLINOIS 60661</td>
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<td>ATTORENY DOCKET NUMBER:</td>
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<td>NAME OF SUBMITTER:</td>
<td>ANGELINE R. BABEL</td>
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<tr>
<td>SIGNATURE:</td>
<td>/Angeline R. Babel/</td>
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Total Attachments: 14

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ASSIGNMENT

Case No. 19682US01
U.S. Serial No. 12/084,530

Inventors: Ugur Sahin, Özlem Türeci, Dirk Usener, Stefan Fritz, Christoph Uhreke, Gunda Brandenburg, Harald-Gerhard Geppert, Anja Kristina Schröder, and Philippe Thiel

NOW, THEREFORE, in exchange for good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assigns to Ganymed Pharmaceuticals AG, a German corporation, at Freiligrathstrasse 12, Mainz, Germany 55131, and Johannes Gutenberg-Universität Mainz, at Saarstrasse 21, Mainz, Germany 55122, their successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in a United States patent application entitled "Monoclonal Antibodies Against Claudin-18 for Treatment of Cancer" and identified as Case No. 19682US01 in the offices of McANDREWS, HELD & MALLOY, LTD., filed in the United States Patent and Trademark Office as Serial No. 12/084,530 as a national-stage entry of International Patent Application Serial No. PCT/EP2006/011302, filed on November 24, 2006, and in any and all other (provisional or non-provisional) applications, both United States and foreign based thereon that claim priority thereto, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any continuation, continuation-in-part, divisional, reexamination, renewal, substitutions, reissue or extension of such applications or patents, and further assigns to said assignee the priority right provided by the International Convention, treaties or otherwise.

The undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorizes and requests the attorneys of record in said application to insert in this Assignment the filing date and serial number of said application when officially known.

The undersigned warrants to be the owner of the entire right, title and interest in said invention or improvements and to have the right to make this Assignment, and further warrant that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations, the undersigned hereby agrees, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all continuation, continuation-in-part, divisional, extension, renewal, and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue, reexamination or extension of any Letters Patent that may be granted upon said application, and any and all applications and other document for Letters Patent in
foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorizes said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agrees, upon the request of said assignee, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this Assignment had not been made.

The assignee also has the right to enforce patent rights to such Patents as fully and entirely as the same would have been held and enjoyed by the Assignor if this Assignment had not been made; together with all claims by Assignor for damages by reason of past infringement or for provisional rights and including the right to sue for, and collect the same for its own use and benefit, and for the use and benefit of its successors, assigns, and other legal representatives.

This Assignment may be executed in one or more counterparts, all of which shall be considered one and the same Assignment. The signatures from each counterpart may be combined with a copy of the Assignment to constitute the entire Assignment.

EXECUTED this ___ day of ___ , 200__.

________________________
Ugur Sahin

EXECUTED this ___ day of ___ , 200__.

________________________
Ozlem Tureci

EXECUTED this ___ day of ___ , 200__.

________________________
Dirk Usener
foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorizes said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agrees, upon the request of said assignee, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this Assignment had not been made.

The assignee also has the right to enforce patent rights to such Patents as fully and entirely as the same would have been held and enjoyed by the Assignor if this Assignment had not been made; together with all claims by Assignor for damages by reason of past infringement or for provisional rights and including the right to sue for, and collect the same for its own use and benefit, and for the use and benefit of its successors, assigns, and other legal representatives.

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EXECUTED this __________ day of __________, 200__.

________________________________________
Ugur Sahin

EXECUTED this __________ day of __________, 200__.

________________________________________
Özlem Türeci

EXECUTED this __________ day of __________, 200__.

________________________________________
Dirk Usener
EXECUTED this 14th day of Oct., 200_.

Stefan Fritz

EXECUTED this __________ day of __________, 200_.

Christoph Uherek

EXECUTED this __________ day of __________, 200_.

Gunda Brandenburg

EXECUTED this __________ day of __________, 200_.

Harald-Gerhard Geppert

EXECUTED this 14th day of Oct., 200_.

Anja Kristina Schröder

EXECUTED this __________ day of __________, 200_.

Philippe Thiel
EXECUTED this _______ day of __________, 200__.

______________________________
Stefan Fritz

EXECUTED this 10th day of __________, 200__.

______________________________
Christoph Uhreffek

EXECUTED this _______ day of __________, 200__.

______________________________
Gunda Brandenburg

EXECUTED this _______ day of __________, 200__.

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Harald-Gerhard Geppert

EXECUTED this _______ day of __________, 200__.

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Anja Kristina Schröder

EXECUTED this _______ day of __________, 200__.

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Philippe Thiel
EXECUTED this ______ day of ________, 200__.  

______________________________  
Stefan Fritz

EXECUTED this ______ day of ________, 200__.  

______________________________  
Christoph Uherek

EXECUTED this ______ day of ________, 200__.  

______________________________  
Gunda Brandenburg

EXECUTED this ______ day of ________, 200__.  

______________________________  
Harald-Gerhard Geppert

EXECUTED this ______ day of ________, 200__.  

______________________________  
Anja Kristina Schröder

EXECUTED this ______ day of ________, 200__.  

______________________________  
Philippe Thiel
EXECUTED this __________ day of __________, 200__.

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Stefan Fritz

EXECUTED this __________ day of __________, 200__.

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Christoph Uherek

EXECUTED this __________ day of __________, 200__.

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Gunda Brandenburg

EXECUTED this 5th day of Oct., 200__.

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Herald-Gerhard Steppert

EXECUTED this __________ day of __________, 200__.

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Anja Kristina Schröder

EXECUTED this __________ day of __________, 200__.

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Philippe Thiel
EXECUTED this _______ day of _________, 200__.

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Stefan Fritz

EXECUTED this _______ day of _________, 200__.

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Christoph Uherek

EXECUTED this _______ day of _________, 200__.

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Gunda Brandenburg

EXECUTED this _______ day of _________, 200__.

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Harald-Gerhard Geppert

EXECUTED this 20th day of Oct., 200__,

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Anja Kristina Schröder

EXECUTED this _______ day of _________, 200__.

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Philippe Thiel
EXECUTED this __________ day of __________, 200__.

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Stefan Fritz

EXECUTED this __________ day of __________, 200__.

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Christoph Uherek

EXECUTED this __________ day of __________, 200__.

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Gunda Brandenburg

EXECUTED this __________ day of __________, 200__.

___________________________
Harald-Gerhard Geppert

EXECUTED this __________ day of __________, 200__.

___________________________
Anja Kristina Schröder

EXECUTED this 8th day of October, 200__.

___________________________
Philippe Thiel
ADDENDUM TO PATENT ASSIGNMENTS

THIS AGREEMENT ("Agreement") is made by Ganimed Pharmaceuticals AG, a German corporation, having a place of business at Freiligrathstrasse 12, Mainz, Germany 55131, and Johannes Gutenberg-Universität Mainz having a place of business at Saarstrasse 21, Mainz, Germany 55122 (collectively "the Parties").

WHEREAS, the Parties have entered into certain cooperation agreements/treaties dated June 28, 2005 and December 30, 2008 (the "Cooperation Treaties"), pursuant to which the details of the relationship between the Parties are specified.

WHEREAS, certain inventors have assigned the entire right, title and interest in and to certain patent applications and the invention and improvements disclosed therein jointly to the Parties (the "Assignments"), including those set forth on Exhibit A.

NOW, THEREFORE, in consideration of the agreements and covenants contained in the Cooperation Treaties and in exchange for other good and valuable consideration in hand paid, the receipt, adequacy, and sufficiency of which are hereby acknowledged, and subject to the terms and conditions of the Cooperation Treaties:

The Parties hereby agree that nothing in the Assignments, express or implied, is intended or shall be construed to modify, expand, or limit in any way the terms of the Cooperation Treaties, including, but not limited to, Articles 2.3.1 - 2.3.8 of the Cooperation Treaty dated June 28, 2005 and Articles 2.3.1 - 2.3.9 of the Cooperation Treaty dated December 30, 2008. As to the relationship between the Parties, the terms of the Assignments shall be subject to the terms of the Cooperation Treaties. In the event of any conflict or inconsistency between the terms of the Cooperation Treaties and the terms of the Assignments, the terms of the Cooperation Treaties shall supersede and govern.

Subject to the terms of the Cooperation Treaties, the Parties each hereby mutually covenant and agree to reasonably cooperate to enable each to enjoy to the fullest extent permitted under the Cooperation Treaties, the right, title and interest in and to said inventions or improvements. Such reasonable cooperation shall include execution of any and all continuation, continuation-in-part, divisional, extension, renewal, and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue, reexamination or extension of any Letters Patent that may be granted upon said application. The Parties further hereby mutually covenant and agree to cooperate in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain said Letters Patent in the United States, and vest all rights therein hereby conveyed jointly in the Parties, each of their successors and assigns.

This Agreement shall be binding upon and shall inure to the benefit of the Parties and their respective successors and assigns.

This Agreement may be executed in one or more counterparts, all of which shall be considered one and the same Agreement. The signatures from each counterpart may be combined with a copy of the Agreement to constitute the entire Agreement.
FOR:
Ganymed Pharmaceuticals AG

By:
Name: Dr. Rainer Wessel  Dirk Sebastian
Title: Vorstandssprecher  Vorstand

WITNESSED by ______________________ this 13 day of May, 2010

WITNESSED by ______________________ this 13 day of May, 2010

FOR:
Johannes Gutenberg-Universität Mainz

By: ______________________
Name: ______________________
Title: ______________________

WITNESSED by ______________________ this ______ day of ______, 20____

WITNESSED by ______________________ this ______ day of ______, 20____
FOR:
Ganymed Pharmaceuticals AG

By: _______________________
Name: _____________________
Title: ______________________

WITNESSED by ______________________ this _____ day of _____, 20__.

WITNESSED by ______________________ this _____ day of _____, 20__.

FOR:
Johannes Gutenberg-Universität Mainz

By: _______________________
Name: _____________________
Title: ______________________

WITNESSED by ______________________ this _____ day of _____, 20__.

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