

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| 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>Christiane Hollman</td> <td>11/07/2006</td> </tr> <tr> <td>Albert Winfried</td> <td>11/23/2006</td> </tr> <tr> <td>Silke Zimmermann</td> <td>10/26/2006</td> </tr> <tr> <td>Stefan Stachelhaus</td> <td>10/30/2006</td> </tr> </tbody> </table> | | Name | Execution Date | Christiane Hollman | 11/07/2006 | Albert Winfried | 11/23/2006 | Silke Zimmermann | 10/26/2006 | Stefan Stachelhaus | 10/30/2006 |
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| Stefan Stachelhaus | 10/30/2006 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
| Name: | ADNAGEN AG | | | | | | | | | | |
| Street Address: | OSTPASSAGE 7 | | | | | | | | | | |
| City: | Hannover-Langenhagen | | | | | | | | | | |
| State/Country: | GERMANY | | | | | | | | | | |
| Postal Code: | 30853 | | | | | | | | | | |
| 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>12979535</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 12979535 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 12979535 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
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| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | | | | | | | | | | | |
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| Correspondent Name: | Harold H. Fox | | | | | | | | | | |
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| ATTORNEY DOCKET NUMBER: | 15111.0115D1 | | | | | | | | | | |
| NAME OF SUBMITTER: | Linda M. Fielding | | | | | | | | | | |
| Total Attachments: 3 source=15111.0115D1#page1.tif source=15111.0115D1#page2.tif source=15111.0115D1#page3.tif | | | | | | | | | | | |

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ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do hereby:

SELL, ASSIGN AND TRANSFER to ADNAGEN AG (the "Assignee"), having a place of business at Ostpassage 7, 30853 Hannover-Langenhagen, Germany, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent, Serial No. 10/599,512 which has been filed on September 29, 2006 and is entitled "MONOCLONAL ANTIBODIES WITH SPECIFICITY FOR FETAL ERYTHROID CELLS", which is a national phase application under 35 U.S.C. § 371 of international application No. PCT/EP2005/003371 filed March 31, 2005, which claims priority to European Application No. EP 04007811.5 filed March 31, 2004, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

Signature: *Christiane Hollmann* Date: 07.11.2006
Name: Christiane Hollmann

BEFORE ME, the undersigned authority, on this 07 day of November, 2006 personally appeared _____, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

Bergmann
Witness Bergmann

Signature: *Winfried Albert* Date: Nov. 23, 2006
Name: ~~Winfried~~ Albert
Winfried 17.08.07

BEFORE ME, the undersigned authority, on this 23 day of November, 2006 personally appeared _____, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

S. Lankiewicz
Witness S. Lankiewicz

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Signature: S. Zimmermann Date: 26.10.2006
Name: Silke Zimmermann

BEFORE ME, the undersigned authority, on this 26 day of October, 2006 personally appeared _____, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

Silke Lankiewicz
Witness Silke Lankiewicz

Signature: Stefan Stachelhaus Date: 30.10.2006
Name: STEFAN STACHELHAUS

BEFORE ME, the undersigned authority, on this 30 day of October, 2006 personally appeared _____, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

P. Chrysoyofack
Witness P. Chrysoyofack