

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4792751

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| SUBMISSION TYPE: | NEW ASSIGNMENT | |
| NATURE OF CONVEYANCE: | ASSIGNMENT | |
| CONVEYING PARTY DATA | | |
| | Name | Execution Date |
| | UNIVERSITAETSKLINIKUM MUENSTER | 12/21/2017 |
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| PROPERTY NUMBERS Total: 1 | | |
| Property Type | Number | |
| Application Number: | 12933062 | |
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| NAME OF SUBMITTER: | BETH M. LINDBLOM |
| SIGNATURE: | /Beth M. Lindblom/ |
| DATE SIGNED: | 01/25/2018 |
| Total Attachments: 4 source=Assignment_Transfer_of_Title_UKM#page1.tif source=Assignment_Transfer_of_Title_UKM#page2.tif source=Assignment_Transfer_of_Title_UKM#page3.tif source=Assignment_Transfer_of_Title_UKM#page4.tif | |

ASSIGNMENT

The Applicant/Patentee

Universitätsklinikum Muenster
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Germany
(hereinafter "Assignor")

hereby assigns and transfers to

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SCHMIDT, Alexander, M.
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(hereinafter jointly "Assignees")

the full and exclusive right, title and interest for the intellectual property rights derived from PCT/EP2009/053159 ("YopM as delivery vehicle for cargo molecules and as biological therapeutic for immunomodulation of inflammatory reactions"), listed in the enclosed Schedule A including, but not limited to the priority application EP 08 004 967.9 of March 17, 2008, any foreign counterparts, divisions, continuations or reissues thereof and the right to claim for any of said intellectual property rights the full benefits and priority rights under the Patent Cooperation Treaty, the Paris Convention and any other international agreement.

Münster 21.12.17

Date and Place

Kopperschmidt

Signature of Assignor

KOPPERSCHMIDT

Name in capital letters

Admin. Director

Position of the undersigned

The Assignees herewith accept the assignment

Münster, den 21.12.17

Date and Place

Christian RUETER

Christian RUETER

Kleve, 21.12.2017

Date and Place

Gerhard HELFPP

Gerhard HELFPP

Münster, den 21.12.17

Date and Place

Alexander M. SCHMIDT

Alexander M. SCHMIDT

Schedule A

| Patent Asset (including Patents and Patent Applications) | Record Owner as of Effective Date | Status |
|---|--|--|
| US 8840901 YopM as delivery vehicle for cargo molecules and as biological therapeutic for immunomodulation of inflammatory reactions filed: September 16, 2010 as US 12/933062 | Universitätsklinikum Münster (University Hospital Münster) | Granted |
| US 20150132367 Yopm as delivery vehicle for cargo molecules and as biological therapeutic for immunomodulation of the inflammatory reactions filed: September 22, 2014 as 14/493012 continuation of US 12/933062 | Universitätsklinikum Münster (University Hospital Münster) | Abandoned December 28, 2016 for failure to respond to an office action |
| AU2009226972 YopM as delivery vehicle for cargo molecules and as biological therapeutic for immunomodulation of inflammatory reactions filed: August 5, 2010 | Universitätsklinikum Münster (University Hospital Münster) | Abandoned October 2, 2017 for failure to pay maintenance fee (Granted September 11, 2014) |
| CA2712511 A1 Yopm as delivery vehicle for cargo molecules and as biological therapeutic for immunomodulation of inflammatory reactions filed: July 15, 2010 | Universitätsklinikum Münster (University Hospital Münster) | Pending; examination requested February 28, 2014 |
| EP2268313 A2 Yopm as delivery vehicle for cargo molecules and as biological therapeutic for immunomodulation of inflammatory reactions filed: October 18, 2010 as EP09722167A | Universitätsklinikum Münster (University Hospital Münster) | Abandoned for failure to respond to office action October 19, 2016 |

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| <p>EP2664339 A3 YopM as delivery vehicle for cargo molecules and as biological therapeutic for immunomodulation of inflammatory reactions</p> <p>filed: June 3, 2013</p> <p>divisional of EP09722167A</p> | <p>Universitätsklinikum Münster (University Hospital Münster)</p> | <p>Abandoned for failure to respond to office action September 9, 2016</p> |
| <p>JP5670875 YopM as delivery vehicle for cargo molecules and as biological therapeutic for immunomodulation of inflammatory reactions</p> <p>filed as JP2011500203</p> | <p>Universitätsklinikum Münster (University Hospital Münster)</p> | <p>Granted February 18, 2015</p> |
| <p>JP2015044826 YopM as delivery vehicle for cargo molecules and as biological therapeutic for immunomodulation of inflammatory reactions</p> <p>filed: October 10, 2014</p> <p>divisional of JP2011500203</p> | <p>Universitätsklinikum Münster (University Hospital Münster)</p> | <p>Pending/Abandoned decision of refusal issued December 20, 2016</p> |