

<b>PATENT ASSIGNMENT COVER SHEET</b>
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EPAS ID: PAT6415685

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the ASSIGNEE'S NAME: HELMHOLTZ ZENTRUM MÜNCHEN DEUTSCHES FORSCHUNGSZENTRUM FÜR GESUNDHEIT UND UMWELT previously recorded on Reel 036428 Frame 0325. Assignor(s) hereby confirms the ASSIGNMENT.

**CONVEYING PARTY DATA**

Name	Execution Date
RALF KÜHN	08/25/2015
WOLFGANG WURST	08/25/2015
OSKAR ORTIZ SANCHEZ	08/25/2015

**RECEIVING PARTY DATA**

<b>Name:</b>	HELMHOLTZ ZENTRUM MÜNCHEN DEUTSCHES FORSCHUNGSZENTRUM FÜR GESUNDHEIT UND UMWELT GMBH
<b>Street Address:</b>	INGOLSTÄDTER LANDSTRASSE 1
<b>City:</b>	NEUHERBERG
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	85764

**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Application Number:</b>	14836231

**CORRESPONDENCE DATA**

**Fax Number:** (703)848-2981

*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:** 7035848026

**Email:** mnuell@rcsc-ip.com, ttyler@rcsc-ip.com, docketing@rcsc-ip.com

**Correspondent Name:** ROBERTS CALDERON SAFRAN & COLE P.C.

**Address Line 1:** 7918 JONES BRANCH DRIVE, SUITE 500

**Address Line 4:** MCLEAN, VIRGINIA 22102

<b>ATTORNEY DOCKET NUMBER:</b>	400541-20001
<b>NAME OF SUBMITTER:</b>	MARK J. NUELL
<b>SIGNATURE:</b>	/Mark J Nuell #36623/
<b>DATE SIGNED:</b>	11/20/2020

**Total Attachments: 5**

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ASSIGNMENT

WHEREAS, Ralf KÜHN, Wolfgang WURST and Oskar ORTIZ SANCHEZ (hereinafter referred to as ASSIGNOR(S)), have invented certain new and useful inventions relating to GENE EDITING IN THE OOCYTE BY CAS9 NUCLEASES (hereinafter referred to as THE INVENTION) for which a non-provisional application for United States Letters Patent was filed on August 26, 2015, as Serial No. 14/836,231.

WHEREAS, HELMHOLTZ ZENTRUM MÜNCHEN DEUTSCHES FORSCHUNGSZENTRUM FÜR GESUNDHEIT UND UMWELT, GMBH, a non-profit research institute duly organized under and pursuant to the laws of the Federal Republic of Germany and whose post office address is Ingolstädter Landstrasse 1 85764 Neuherberg, Germany (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title and interest in and to THE INVENTION in the United States and throughout the world.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR(S), by these presents does/do sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to THE INVENTION and THE APPLICATION throughout the United States of America, including any and all United States Letters Patent granted on any non-provisional, division, continuation, and reissue of THE APPLICATION; and the entire right, title and interest in and to THE INVENTION throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded ASSIGNOR(S) under the terms of the Paris International Convention and all other available international conventions and treaties; and the entire right, title and interest in and to any and all applications filed throughout the world in respect of THE INVENTION and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of THE INVENTION.

ALSO, ASSIGNOR(S) hereby agree to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of THE INVENTION or any other patent application(s) or inventor certificate(s) in the United States and in foreign countries for THE INVENTION, including additional documents that may be required to affirm the rights of ASSIGNEE in and to THE INVENTION, all without further consideration. ASSIGNOR(S) also agree, without further consideration and at ASSIGNEE'S expense, to identify and communicate to ASSIGNEE at ASSIGNEE'S request documents and information concerning THE INVENTION that are within ASSIGNORS' possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR(S) in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument.

ASSIGNOR(S) also agree, without further consideration and at ASSIGNEE'S expense, to transfer the right to sue for past infringement to ASSIGNEE and at ASSIGNEE'S request documents and information concerning the enforcement of the right to sue within ASSIGNOR(S) possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR(S) in respect of the right to sue of any patent encompassed within the terms of this instrument.

ASSIGNORS' obligation under this instrument shall extend to ASSIGNORS' heirs, executors, administrators and other legal representatives.

ASSIGNOR(S) hereby grant the firm of Roberts Mlotkowski Safran & Cole, P.C of McLean, Virginia, 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.

ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent referred to above to ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE'S sole use and behalf; and for the use and behalf of ASSIGNEE'S legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNORS had this assignment and sale not been made.

Date 25. 8. 2015 Signature of Assignor Ralf Kühn  
Ralf KÜHN

Date \_\_\_\_\_ Signature of Assignor \_\_\_\_\_  
Wolfgang WURST

Date \_\_\_\_\_ Signature of Assignor \_\_\_\_\_  
Oskar ORTIZ SANCHEZ

ASSIGNMENT

WHEREAS, **Ralf KÜHN, Wolfgang WURST and Oskar ORTIZ SANCHEZ** (hereinafter referred to as ASSIGNOR(S)), have invented certain new and useful inventions relating to **GENE EDITING IN THE OOCYTE BY CAS9 NUCLEASES** (hereinafter referred to as THE INVENTION) for which a non-provisional application for United States Letters Patent was filed on **August 26, 2015**, as Serial No. **14/836,231**.

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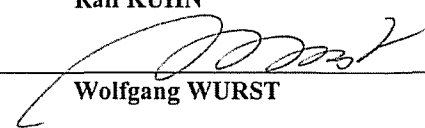
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Date _____	Signature of Assignor _____	<b>Ralf KÜHN</b>
Date <u>25.08.2015</u>	Signature of Assignor _____	 <b>Wolfgang WURST</b>
Date _____	Signature of Assignor _____	<b>Oskar ORTIZ SANCHEZ</b>

ASSIGNMENT

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Date \_\_\_\_\_ Signature of Assignor \_\_\_\_\_  
**Ralf KÜHN**

Date \_\_\_\_\_ Signature of Assignor \_\_\_\_\_  
**Wolfgang WURST**

Date 25.8.2015 Signature of Assignor \_\_\_\_\_  
**Oskar ORTIZ SANCHEZ**



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**CORRESPONDENCE DATA****Fax Number:** (703)848-2981**Email:** mfraley@rmsclaw.com*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.***Correspondent Name:** MARK J. NUEL**Address Line 1:** 7918 JONES BRANCH DRIVE, SUITE 500**Address Line 4:** MCLEAN, VIRGINIA 22102

<b>NAME OF SUBMITTER:</b>	MARK J. NUEL
<b>Signature:</b>	/Mark J Nuell #36623/
<b>Date:</b>	08/26/2015
<b>Total Attachments: 3</b> source=400379-20008_Assignment#page1.tif source=400379-20008_Assignment#page2.tif source=400379-20008_Assignment#page3.tif	

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