

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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|                                                                                                                                                                                                 |                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | RESUBMISSION                             |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                               |
| <b>RESUBMIT DOCUMENT ID:</b>                                                                                                                                                                    | 504953941                                |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                                          |
| <b>Name</b>                                                                                                                                                                                     | <b>Execution Date</b>                    |
| SEBASTIAN GROMMINGER                                                                                                                                                                            | 05/05/2017                               |
| WERA HOFMANN                                                                                                                                                                                    | 05/05/2017                               |
| HAMED SAID                                                                                                                                                                                      | 05/05/2017                               |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                                          |
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| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                                          |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>                            |
| <b>Application Number:</b>                                                                                                                                                                      | 16005004                                 |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                                          |
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| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | DFMP-112-02                              |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | SHULING L. WILLIAMS                      |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /Shuling L. Williams/                    |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 10/22/2018                               |
| <b>Total Attachments: 2</b>                                                                                                                                                                     |                                          |
| source=Revised_Assignment#page1.tif                                                                                                                                                             |                                          |
| source=Revised_Assignment#page2.tif                                                                                                                                                             |                                          |

ASSIGNMENT

WHEREAS, I, a below named inventor, (hereinafter referred to as Assignor), have made an invention entitled:

**MULTIPLEX DETECTION OF DNA THAT ORIGINATES  
FROM A SPECIFIC CELL-TYPE**

for which a non-provisional utility application for a United States patent was filed as U.S. Patent Application No. 14/707,363 on 8 May 2015 under Attorney Docket Number DFMP-112-01; and

WHEREAS, LifeCodexx AG, whose post office address is Jakob-Stadler-Platz 7, 78467 Konstanz, Germany (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in the United States of America, in and to all applications for patents filed in the United States of America on this invention, and in and to all Letters Patent to be issued for this invention in the United States of America;

NOW THEREFORE, be it known that for good and valuable consideration, the receipt of which from Assignee is hereby acknowledged, I as Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto Assignee, its lawful successors and assigns, my entire right, title, and interest in and to the above-referenced invention and the above-referenced applications, and all divisions, and continuations thereof, and all Letters Patent of the United States of America that might be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such applications, and all extensions, renewals, and reissues thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

AND, I HEREBY further covenant and agree that I will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that might be necessary or desirable to perfect the title to this invention in Assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths, and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this

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Attorney Docket No.: DFMP-112-01

Customer No.: 39,878

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invention in the United States of America, it being understood that any expense incident to the execution of such papers shall be borne by Assignee, its successors, and assigns.

IN TESTIMONY WHEREOF, I have hereunto set my hand:

Date: 5. May 2017

S. Grömminger  
Name of Inventor: Sebastian Grömminger  
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Date: 5 May 2017

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Date: 05. May 2017

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