PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
UNIVERSITÄT ZU KÖLN	05/24/2017

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 4

Property Type	Number
Patent Number:	8423144
Patent Number:	8825167
Patent Number:	9302069
Application Number:	14444317

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NAME OF SUBMITTER:	SCOTT DODGE
SIGNATURE:	/Scott Dodge/
DATE SIGNED:	06/06/2017

Total Attachments: 1

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PATENT 504399688 REEL: 042615 FRAME: 0796

CONFIRMATORY PATENT ASSIGNMENT

This Confirmatory Patent Assignment confirms the transfer on July 28, 2016 and/or September 12, 2016, from Universität zu Köln ("Assignor") to Forschungszentrum Juelich GmbH ("Assignee"), of the Assignor's ownership and interests in the following U.S. Patents and Patent Application:

- 1. U.S. Patent No. 8,423,144, issued April 16, 2013.
- 2.. U.S. Patent No. 8,825,167, issued September 2, 2014.
- 3. U.S. Patent No. 9,302,069, issued April 5, 2016.
- 4. U.S. Application No. 14/444,317, filed July 28, 2014.

WHEREAS, pursuant to contracts between Assignor and Assignee dated July 28, 2016 and September 12, 2016, the Assignor transferred, sold and assigned to Assignee, all of its right, title and interest in and to the foregoing issued U.S. patents and pending U.S. patent application and all U.S. and foreign patent applications claiming priority thereto (collectively the "Patents and Patent Applications").

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor hereby confirms having assigned, transferred, conveyed, and delivered to the Assignee, its successors and assigns, effective as of the execution date of the contracts, the entire right, title and interest for the Patents and Patent Applications and for all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States and all other countries, including all rights of priority from the filing of the Patents and Patent Applications. and all rights for past infringement, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said inventions or resulting therefrom to the Assignee herein, as assignee of the entire interest therein; and the Assignor, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, reissue and other applications for patent and all assignments thereof to the Assignee or its assigns, to communicate to the Assignee or its representatives all facts known to the undersigned respecting said inventions, whenever requested, to testify in any interferences or other legal proceedings in which any of the Patents and Patent Applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to assist the Assignee, its successors, assigns and nominees to obtain patent protection for said invention in the United States and all other countries, the expenses incident to said applications to be borne and paid by the Assignee.

UNIVERSIT	ГÄТ	711	KÖI	N

Date: 24 May 2017

Frank Jaeger

Title: Head of Third Party Funding

Department

1 F. Jäger Leiter der DFS-Verwaltung

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RECORDED: 06/06/2017