505307426 01/31/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DANIELA BECKER	01/25/2019
JORGE GUAJARDO MERCHAN	12/20/2018

RECEIVING PARTY DATA

Name:	ROBERT BOSCH GMBH	
Street Address:	POSTFACH 30 02 20	
City:	STUTTGART	
State/Country:	GERMANY	
Postal Code:	70442	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15979761

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	1576-2102
NAME OF SUBMITTER:	PAUL J. MAGINOT
SIGNATURE:	/Paul J. Maginot/
DATE SIGNED:	01/31/2019

Total Attachments: 3

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PATENT REEL: 048212 FRAME: 0498 505307426

MMB Docket No. 1576-2102 Bosch Reference: R372957-RTC3

ASSIGNMENT

Pursuant to our obligation to Robert Bosch GmbH (hereinafter referred to as

"Assignee"), a German corporation having a mailing address at:

Postfach 30 02 20

D-70442 Stuttgart

GERMANY

and for other valuable and sufficient consideration, receipt whereof is hereby acknowledged,

we:

Daniela Becker

2645 Railroad Street, Apt. 405

Pittsburgh, PA 15222

Jorge Guajardo Merchan

813 Northridge Drive

Pittsburgh, PA 15216

confirm our obligation to and hereby sell, assign and convey, unto Assignee, its successors

and assigns, except as set forth below, our entire right, title and interest -

(1) in and to an invention entitled "Post-Quantum Secure Private Stream

Aggregation" for which we have executed a United States patent application, said United

States application being assigned U.S. Serial No. 15/979,761 filed on May 15, 2018;

(2) in and to said United States patent application, in and to all other patent

applications (including divisional, continuation, continuation-in-part, §111(b) provisional,

§111(a), reissue applications, and international patent applications designating the United

States) based upon said invention, and in and to the patent or patents to be granted thereon,

including reissues thereof, if any, to the full end of the term or terms for which said patent or

patents may be granted; and

(3) in and to all patent applications on said invention now or hereafter filed in

countries foreign to the United States of America, including patent applications filed under

the Patent Cooperation Treaty, the European Patent Convention or any other international

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treaty, and including the right to claim priority of said United States application, and in and to any and all patents granted on said applications to the full end of the terms for which said patents may be granted.

We hereby agree that we will, upon demand of Assignee, its successors or assigns, and without further consideration to us, execute any and all papers that may be necessary, or deemed by Assignee, its successors or assigns, to be necessary, to a complete fulfillment of the intent and purposes of this Assignment, it being understood that any expense incident to the execution of such papers shall be paid by Assignee, its successors and assigns, and not by us.

Date: <u>0//25/2019</u>

Daniela Becker

REEL: 048212 FRAME: 0500

MMB Docket No. 1576-2102 Bosch Reference: R372957-RTC3

Jorge Guglardo Merchan

Date: DEC 20, 30/8

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