

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6062966

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KILIAN BECHER	04/14/2020
AXEL SCHROEPFER	04/14/2020
MIRKO SCHAEFER	04/14/2020
RECEIVING PARTY DATA	
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City:	WALLDORF
State/Country:	GERMANY
Postal Code:	69190
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16848969
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NAME OF SUBMITTER:	CANDICE R. ROCKETT
SIGNATURE:	/Candice R. Rockett/
DATE SIGNED:	04/15/2020
Total Attachments: 3	
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source=22135-1479001-ASSIGNMENT-3-exec#page3.tif	

Attorney Dkt. No. 22135-1479001 / 191048US01

ASSIGNMENT

For valuable consideration, I, **Kilian Becher**,

hereby assign to

SAP SE, a corporation of Europe having a place of business at Dietmar-Hopp-Allee 16, 69190 Walldorf, Germany

and its successors, and assigns (collectively, the ASSIGNEE) my entire right, title and interest throughout the world in the inventions and improvements in a patent document entitled:

COMPUTATION-EFFICIENT SECRET SHUFFLE PROTOCOL FOR ENCRYPTED DATA BASED ON HOMOMORPHIC ENCRYPTION

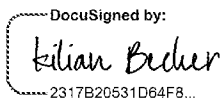
which is found in the:

US patent application filed on: **April 15, 2020**

under Application No. **16/848,969**

I authorize and request the attorneys of record or the attorney filing the application to insert into this assignment the filing date and serial number of the application when known. This assignment includes the foregoing patent application or patent, as well as continuations and divisionals of said application, all legal equivalents in any country, and all patents issuing from such legal equivalents; all patents, utility models, and design registrations granted by any jurisdiction for any of said inventions and improvements; and the right to claim priority based on the filing date of the foregoing patent application or patent under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes. I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements. I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into that would conflict with this assignment. I hereby state and agree that no assignment, sale, agreement, or encumbrance has been or will be made or entered into that would conflict with this assignment. I further agree for myself and my heirs, legal representatives, and assigns to provide to the Assignee promptly upon its request and at its expense all pertinent facts and documents relating to any of said inventions and improvements or said patents and legal equivalents as may be known and accessible to me and to testify as to the same in any interference, litigation, or proceeding relating thereto; and I agree promptly to perform such lawful acts and to sign such further applications, assignments, statements, and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Inventor's Signature:

DocuSigned by:

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4/14/2020

Kilian Becher

Attorney Dkt. No. 22135-1479001 / 191048US01

ASSIGNMENT

For valuable consideration, I, **Axel Schroepfer**,
hereby assign to

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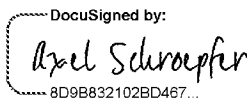
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Inventor's Signature:

DocuSigned by:

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4/14/2020

Axel Schroepfer

Attorney Dkt. No. 22135-1479001 / 191048US01

ASSIGNMENT

For valuable consideration, I, **Mirko Schaefer**,

hereby assign to

SAP SE, a corporation of Europe having a place of business at Dietmar-Hopp-Allee 16, 69190 Walldorf, Germany

and its successors, and assigns (collectively, the ASSIGNEE) my entire right, title and interest throughout the world in the inventions and improvements in a patent document entitled:

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Inventor's Signature:

DocuSigned by:
Mirko Schaefer
08543CAF15E946B...

4/14/2020

Mirko Schaefer