505644295 08/28/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5691101

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CEDRIC HEBERT	08/23/2019
MERVE SAHIN	08/23/2019
ANDERSON SANTANA DE OLIVEIRA	08/23/2019

RECEIVING PARTY DATA

Name:	SAP SE
Street Address:	DIETMAR-HOPP-ALLEE 16
City:	WALLDORF
State/Country:	GERMANY
Postal Code:	69190

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16552951

CORRESPONDENCE DATA

Fax Number:

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.

Email: sarah.tilton@klarquist.com

Correspondent Name: KLARQUIST SPARKMAN LLP

Address Line 1: 121 SW SALMON STREET Address Line 2: SUITE 1600

Address Line 4: PORTLAND, OREGON 97204

ATTORNEY DOCKET NUMBER:	8880-102658-01	
NAME OF SUBMITTER:	CHRISTOPHER S. DUNCAN, #64,287	
SIGNATURE:	/Christopher S. Duncan/	
DATE SIGNED: 08/28/2019		
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 3

source=8880-102658-01 Assignment#page1.tif source=8880-102658-01 Assignment#page2.tif source=8880-102658-01 Assignment#page3.tif

PATENT 505644295 REEL: 050199 FRAME: 0449

Attorney Dkt. No. 8880-102658-01 / 190471US01

ASSIGNMENT

For valuable consideration, I, Cedric HEBERT,

hereby assign to

SAPSE, 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:

IDENTIFIER BASED APPLICATION SECURITY

which is found in the:

USpatent application filed on:

under Application No.

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. Thereby 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 Sgnature: 8/23/2019

Odric HEEDE

PATENT REEL: 050199 FRAME: 0450 Attorney Dkt. No. 8880-102658-01 / 190471US01

ASSIGNMENT

For valuable consideration, I, Merve SAHIN,

hereby assign to

SAPSE, 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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Attorney Dkt. No. 8880-102658-01 / 190471US01

ASSIGNMENT

For valuable consideration, I, Anderson SANTANA DE OLIVERA,

hereby assign to

SAPSE, 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 Sgnature:

RECORDED: 08/28/2019

anderson Santana DE OUVERRA3/2019

Anderson SANTANA DE OLIVERA

PATENT REEL: 050199 FRAME: 0452