PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4565385

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HELMUT FIERES	08/18/2017
JEAN-PIERRE DJAMDJI	08/20/2017
KLAUS DICKGIESSER	08/18/2017
OLENA KUSHAKOVSKA	08/20/2017
VENKATESH R	08/20/2017

RECEIVING PARTY DATA

Name:	SAP SE
Street Address:	DIETMAR-HOPP-ALLEE 16
City:	WALLDORF
State/Country:	GERMANY
Postal Code:	D69190

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15684796

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: IPDOCKETINGBOS@MINTZ.COM
Correspondent Name: MINTZ LEVIN
Address Line 1:   3580 CARMEL MOUNTAIN ROAD, SUITE 300
Address Line 4:   SAN DIEGO, CALIFORNIA 92130

ATTORNEY DOCKET NUMBER:	54874-288F01US
NAME OF SUBMITTER:	LI (LILY) ZHANG
SIGNATURE:	/li zhang/
DATE SIGNED:	08/24/2017

Total Attachments: 5
source=54874_288F01US_Assignment#page1.tif
source=54874_288F01US_Assignment#page2.tif

Attorney Dkt. No. 54874-288F01US / 170169US01

<u>ASSIGNMENT</u>

For valuable consideration, I, Helmut Fieres,

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:

      MACHINE LEARNING BASED DATABASE MANAGEMENT

which is found in the:

US patent application filed: August 23, 2017

on under Application No. 15/684,796

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: 8/18/2017

                           Helmut Fieres
                           6E1800126A6043C...
                   Helmut Fieres

Attorney Dkt. No. 54874-288F01US / 170169US01

ASSIGNMENT

For valuable consideration, I, Jean-Pierre DJAMDJI,

hereby assign to

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Inventor's Signature: _Jean-Pierre DJAMDJI_ 8/20/2017

DocuSigned by:
4E602E9F2296403...
Jean-Pierre DJAMDJI

Attorney Dkt. No. 54874-288F01US / 170169US01

<u>ASSIGNMENT</u>

For valuable consideration, I, Klaus Dickgiesser,

hereby assign to

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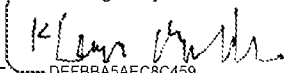MACHINE LEARNING BASED DATABASE MANAGEMENT

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Inventor's Signature:

DocuSigned by:

Klaus Dickgiesser

8/18/2017

Attorney Dkt. No. 54874-288F01US / 170169US01

ASSIGNMENT

For valuable consideration, I, Olena KUSHAKOVSKA,

hereby assign to

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Inventor's Signature: *Olena KUSHAKOVSKA*   8/20/2017

Olena KUSHAKOVSKA

Attorney Dkt. No. 54874-288F01US / 170169US01

<u>ASSIGNMENT</u>

For valuable consideration, I, Venkatesh R,

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:

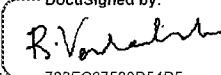MACHINE LEARNING BASED DATABASE MANAGEMENT

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Inventor's Signature: _R.Venkatesh_ 8/20/2017

DocuSigned by:
783EC67580D54D5
Venkatesh R