01/31/2019 505306202

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5352982

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------------------|----------------|
| ANDREAS DOEHRN | 01/23/2019 |
| RATHNAKUMAR G | 01/23/2019 |
| GURINDER BAHL | 01/23/2019 |
| AABY SIVAKUMAR | 01/23/2019 |
| RAGHAVENDRA DESHPANDE | 01/23/2019 |
| ANIL KUMAR R | 01/27/2019 |
| PRAKASH PONSHANKAARCHINNUSAMY | 01/23/2019 |
| KEFENG WANG | 01/23/2019 |
| HARTMUT VOGLER | 01/23/2019 |
| RASHMI RK | 01/23/2019 |
| PRIYANKA GUPTA | 01/29/2019 |
| SONALI JHA | 01/23/2019 |
| MAMATHA M. RAJ | 01/23/2019 |
| KUMAR RISHAV | 01/31/2019 |
| THAKUR NISHANT SINGH | 01/23/2019 |

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16263255 |

CORRESPONDENCE DATA

Fax Number: (612)339-3061

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.

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> **PATENT** REEL: 048203 FRAME: 0138

505306202

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Correspondent Name: SCHWEGMAN LUNDBERG & WOESSNER/SAP

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| ATTORNEY DOCKET NUMBER: | 2058.C30US1 | |
|-------------------------|------------------|--|
| NAME OF SUBMITTER: | DAWN R. DRAPER | |
| SIGNATURE: | /Dawn R. Draper/ | |
| DATE SIGNED: | 01/31/2019 | |

Total Attachments: 15

source=5f57b9b0-995a-4743-b3cb-e675809cc165con1#page1.tif source=5f57b9b0-995a-4743-b3cb-e675809cc165con1#page2.tif source=5f57b9b0-995a-4743-b3cb-e675809cc165con1#page3.tif source=5f57b9b0-995a-4743-b3cb-e675809cc165con1#page4.tif source=5f57b9b0-995a-4743-b3cb-e675809cc165con1#page5.tif source=5f57b9b0-995a-4743-b3cb-e675809cc165con1#page6.tif source=5f57b9b0-995a-4743-b3cb-e675809cc165con1#page7.tif source=5f57b9b0-995a-4743-b3cb-e675809cc165con1#page8.tif source=5f57b9b0-995a-4743-b3cb-e675809cc165con1#page9.tif source=5f57b9b0-995a-4743-b3cb-e675809cc165con1#page10.tif source=5f57b9b0-995a-4743-b3cb-e675809cc165con1#page11.tif source=5f57b9b0-995a-4743-b3cb-e675809cc165con1#page12.tif source=5f57b9b0-995a-4743-b3cb-e675809cc165con1#page13.tif source=5f57b9b0-995a-4743-b3cb-e675809cc165con1#page14.tif source=5f57b9b0-995a-4743-b3cb-e675809cc165con1#page14.tif source=5f57b9b0-995a-4743-b3cb-e675809cc165con1#page15.tif

ASSIGNMENT

For valuable consideration, I, Andreas Doehrn,

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:

DATA CLOUD PLATFORM FOR DATA ENRICHMENT

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.

ASSIGNMENT

For valuable consideration, I, Rathnakumar G,

hereby assign to

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

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Inventor's Signature:

Rathnakumar G

Rathnakumar G

Rathnakumar G

ASSIGNMENT

For valuable consideration, I, Gurinder Bahl,

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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ASSIGNMENT

For valuable consideration, I, Aaby Svakumar,

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 ASSIGNE) my entire right, title and interest throughout the world in the inventions and improvements in a patent document entitled:

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ASSIGNMENT

For valuable consideration, I, Raghavendra Deshpande,

hereby assign to

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

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Inventor's Signature: 1/23/2019

Raghavendra Deshpande

ASSIGNMENT

For valuable consideration, I, Anil Kumar R,

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 Signature:

Anil Kumar R

1/27/2019

Anil Kumar R

ASSIGNMENT

For valuable consideration, I, Prakash Ponshankaarchinnusamy,

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 ASSIGNE) 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:

--- Docusioned by: Prakash Ponshankaardiinnusamy 1/23/2019

Prakash Ponshankaarchinnusamy

ASSIGNMENT

For valuable consideration, I, Kefeng Wang,

hereby assign to

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

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Inventor's Signature:

Lifty Wang

1/23/2019

Kefeng Wang

ASSIGNMENT

For valuable consideration, I, Hartmut Vogler,

hereby assign to

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

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ASSIGNMENT

For valuable consideration, I, Rashmi FK,

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 Signature:

| Rashmi | Recognition | Restauration | Rashmi | Recognition | Restauration | Restaurati

ASSIGNMENT

For valuable consideration, I, Priyanka Gupta,

hereby assign to

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

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Inventor's Signature:

| Priyanka Gupta | 1/29/2019 | Priyanka Gupta | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/2019 | 1/29/20

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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 Signature:

Soudi Ma

1/23/2019

Sonali Jha

BA7450F6C06D466...

ASSIGNMENT

For valuable consideration, I, Mamatha M Paj,

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:

DATA CLOUD PLATFORM FOR DATA ENRICHMENT

which is found in the:

USpatent application filed on:

under Application No.

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Inventor's Sgnature:

Mamatha M Kay

1/23/2019

Mamatha M Kay

1/23/2019

ASSIGNMENT

For valuable consideration, I, Kumar Rishav,

hereby assign to

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

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Inventor's Signature: 1/31/2019

Kumar Fishar Auto 21/35480...

ASSIGNMENT

For valuable consideration, I, Thakur Nishant Singh,

hereby assign to

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

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RECORDED: 01/31/2019

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Inventor's Signature:

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