PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5659162

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SNIGDHAMAN CHATTERJEE	08/05/2019
SHIVAPRASAD KODLIPET CHANDRASHEKHAR	08/06/2019
HEMANTH RAJESWARI ANANTHA	08/07/2019
DEBASHIS BANERJEE	08/05/2019
HARI BABU KRISHNAN	08/06/2019

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:	16534451

CORRESPONDENCE DATA

Fax Number: (202)371-2540

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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jasong@sternekessler.com, kmurray@sternekessler.com,

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ATTORNEY DOCKET NUMBER:	1933.5490000	
NAME OF SUBMITTER:	DANIEL J. BERNARD	
SIGNATURE:	/Daniel J. Bernard #69086/	
DATE SIGNED:	08/08/2019	

Total Attachments: 5

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PATENT REEL: 049999 FRAME: 0439 source=2019-08-08-Assignments-1933-5490000#page2.tif source=2019-08-08-Assignments-1933-5490000#page3.tif source=2019-08-08-Assignments-1933-5490000#page4.tif source=2019-08-08-Assignments-1933-5490000#page5.tif

> PATENT REEL: 049999 FRAME: 0440

ASSIGNMENT

For valuable consideration, I, Snigdhaman Chatterjee,

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:

EFFICIENTLY PROCESSING CONFIGURABLE CRITERIA

which is found in the:

US patent 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. 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:

8/5/2019

Snigdhaman Chatterjee
Snigdhaman Chatterjee

<u>ASSIGNMENT</u>

For valuable consideration, I, Shivaprasad Kodlipet Chandrashekhar,

hereby assign to

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

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Inventor's Signature:

Shivaprasad/Kodlipet Chandrashekhar

Date

ASSIGNMENT

For valuable consideration, I, Hemanth Rajeswari Anantha,

hereby assign to

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

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Inventor's Signature:

8/7/2019

Hemanth Rajeswari Anantha

Hemanth Rajeswari Anantha

ASSIGNMENT

For valuable consideration, I, Debashis Banerjee,

hereby assign to

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

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Inventor's Signature:

| Debashis Baneriee | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 | 8/5/2019 |

PATENT REEL: 049999 FRAME: 0444

ASSIGNMENT

For valuable consideration, I, Hari Babu Krishnan,

hereby assign to

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

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Inventor's Signature:

Han Babu krishnan

8/6/2019

PATENT REEL: 049999 FRAME: 0445

RECORDED: 08/08/2019