

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5442077

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SUDHIR BHOJWANI	11/03/2016
LALITHA RAJAGOPALAN	11/03/2016
ANIL MANDAVA	11/03/2016
ROBERT WELLS	11/04/2016
TANVI BAKUL SHAH	11/03/2016
MARIA ELENA GAMMON	11/29/2016
PRASHANT BHAGAT	11/03/2016
STEVEN WEIGAND	11/29/2016
YUAN TUNG	11/03/2016
GOPALAKRISHNAN SUNDARAM	02/03/2019
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:	16365664
CORRESPONDENCE DATA	
Fax Number:	
<i>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.</i>	
Phone:	408-244-6319
Email:	docketing@fountainheadlaw.com
Correspondent Name:	FOUNTAINHEAD LAW GROUP P.C. CHAD R. WALSH
Address Line 1:	900 LAFAYETTE STREET
Address Line 2:	SUITE 301
Address Line 4:	SANTA CLARA, CALIFORNIA 95050
ATTORNEY DOCKET NUMBER:	000005-056502US

PATENT

NAME OF SUBMITTER:	LAM P. DOAN
SIGNATURE:	/Lam P. Doan/
DATE SIGNED:	03/26/2019
Total Attachments: 5 source=5-56502-Assignment#page1.tif source=5-56502-Assignment#page2.tif source=5-56502-Assignment#page3.tif source=5-56502-Assignment#page4.tif source=5-56502-Assignment#page5.tif	

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Sudhir Bhojwani, Lalitha Rajagopalan, Anil Mandava, Robert Wells, Tanvi Bakul Shah, Maria Elena Gammon, Prashant Bhagat, Steven Weigand, Yuan Tung and Gopalakrishnan Sundaram, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: Matrix Traversal Based on Hierarchies
Application No.: 15/336,790
Filing Date: October 28, 2016

WHEREAS, **SAP SE**, located at Dietmar-Hopp-Allee 16, 69190 Walldorf, Germany; hereinafter referred to as "Assignee," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;


For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Fountainhead Law Group PC, 900 Lafayette St., Ste. 301, Santa Clara, CA 95050, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 11/3/16


Sudhir Bhojwani

WITNESSED:

Dated: 11/3/16

Sign: Warren Ma

Print: Warren Ma

Dated: 11/3/16


Lalitha Rajagopalan

WITNESSED:

Dated: 11/3/16

Sign: Warren Ma

Print: Warren Ma

Dated: 11/3/16


Anil Mandava

WITNESSED:

Dated: 11/3/16

Sign: Warren Ma

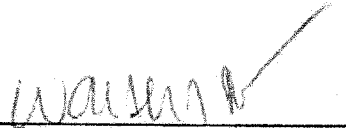
Print: Warren Ma

Dated: 2016-11-04

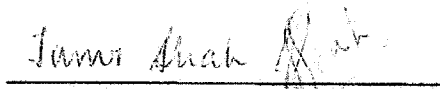

Robert Wells

WITNESSED:

Dated: 11/4/16

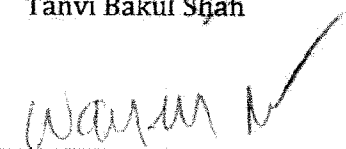
Sign: 
Print: Warren Ma

Dated: 11/3/2016

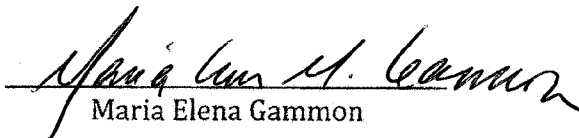

Tanvi Bakul Shah

WITNESSED:

Dated: 11/3/16

Sign: 
Print: Warren Ma

Dated: 11/29/2014


Maria Elena Gammon

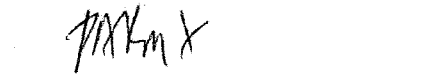
WITNESSED:

Dated: _____

Sign: _____

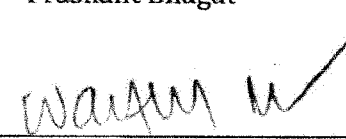
Print: _____

Dated: 11-03-2016


Prashant Bhagat

WITNESSED:

Dated: 11/3/16

Sign: 
Print: Warren Ma

Assignment
Attorney Docket No.: 000005-056501US
Page 4

Dated: 11/29/16

Steven Weigand
Steven Weigand

WITNESSED:

Dated: _____

Sign: _____

Print: _____

Dated: 11/02/16

Yuan Tung
Yuan Tung

WITNESSED:

Dated: 11/3/16

Sign: Warren Ma

Print: Warren Ma

Dated: _____

Gopalakrishnan Sundaram

WITNESSED:

Dated: _____

Sign: _____

Print: _____

Dated: _____

Steven Weigand

WITNESSED:

Dated: _____

Sign: _____

Print: _____

Dated: _____

Yuan Tung

WITNESSED:

Dated: _____

Sign: _____

Print: _____

Dated: 02/03/2019



Gopalakrishnan Sundaram

WITNESSED:

Dated: _____

Sign: _____

Print: _____