PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GERHARD L. HILL	12/16/2014

RECEIVING PARTY DATA

Name:	SAP SE	
Street Address:	et Address: SAP GLOBAL IP GROUP	
Internal Address:	nternal Address: DIETMAR-HOPP-ALLEE 16	
City:	ity: WALLDORF	
State/Country:	GERMANY	
Postal Code:	69190	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14572069	

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	22135-0813001
NAME OF SUBMITTER:	CANDICE R. ROCKETT
SIGNATURE:	/Candice R. Rockett/
DATE SIGNED:	12/16/2014

Total Attachments: 1

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PATENT REEL: 034649 FRAME: 0100 503103590

Attorney's Docket No.: 22135-0813001 / 141158US01

ASSIGNMENT

For valuable consideration, I, Gerhard L. Hill. hereby assign to SAP SE, a corporation of Europe, having a place of business at Dietmar-Hopp-Ailee 16, D-69190 Waildorf, 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

COMPARING JOIN VALUES IN DATABASE SYSTEMS,

wh	ch is found in the
****	U.S. patent application filed on December 16, 2014
	[X] under Application No. 14/372,009 [X] under A
	as the attorney filing the application to insert into this assignment
5	and request the atterneys of record of the atterneys

I authorize and request the attorneys of record or the attorney filing the application 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 granted by any june occurrence and any or said inventions and improvements, and the light to daily priority based on the limit date of the foregoing patent application or patent under the International Convention for the Protection of Industrial Property, the Patent roregoing patent approauon of patent under the international Convention for the Profession of industrial Property, the Patent Convention, and all other treaties of like purposes. I authorize the Assignee to apply in all Cuoperation (reary, the European Fateric Convention, and all other deales of the purposes.) Fateric parents of exclusion and for 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

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 I turner agree for mysen and my tiens, legal representances, 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 as may be bright and accessive to the and to leading as to the same in any memerance, migration, or proceeding relating mereto, and the same in any memerance, migration, or proceeding relating mereto, and the same 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.

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RECORDED: 12/16/2014