502505568 09/23/2013

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Wen-Syan Li	09/23/2013
Bin Dong	09/16/2013
Zheng Long Wei	09/16/2013
Yingyu Chen	09/13/2013
Yongyuan Shen	09/17/2013

RECEIVING PARTY DATA

Name:	SAP AG
Street Address:	Dietmar-Hopp-Allee 16
City:	Walldorf
State/Country:	GERMANY
Postal Code:	69190

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number: 14033203	

CORRESPONDENCE DATA

Fax Number: 6123328352

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ATTORNEY DOCKET NUMBER:	0045-056001/130374US01
NAME OF SUBMITTER:	Joseph F. Key
	PATENT

502505568 REEL: 031260 FRAME: 0164

OP \$40,00 14033203

Signature:	/Joseph F. Key, Reg. No. 44827/
Date:	09/23/2013
Total Attachments: 3 source=0045-056001_ExecutedAssignment#page1.tif source=0045-056001_ExecutedAssignment#page2.tif source=0045-056001_ExecutedAssignment#page3.tif	

PATENT REEL: 031260 FRAME: 0165

ASSIGNMENT

WHEREAS, We, Wen-Syan Li, residing in Fremont, CA, and Bin Dong, residing in Shanghai, China, and Zheng Long Wei, residing in Shanghai, China, and Yingyu Chen, residing in Shanghai, China, and Yongyuan Shen, residing in Shanghai, China, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States entitled DATABASE OPERATIONS ON A COLUMNAR TABLE DATABASE;

WHEREAS, We hereby authorize and request the attorneys at Brake Hughes Bellermann LLP, to insert here in parentheses (Ser. No. 14/033,203; Filing Date: September 20, 2013) the filing date and application number of said application when known.

AND WHEREAS, <u>SAP AG</u>, a corporation organized and existing under and by virtue of the laws of Germany, and having an office and place of business at <u>Dietmar-Hopp-Allee 16</u>, <u>Walldorf, 69190 Germany</u> (hereinafter "Assignce"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, I have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and I do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to

PATENT REEL: 031260 FRAME: 0166 the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, I do hereby agree that I and my executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to me relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, I covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

IN TESTIMONY	WHEREOF, I have hereunto set my hand this	<u>2346</u> day of <u>Sep</u> , 2013.
		2 (a) 3 (b) (b) (c)
Wen-Syan Li		
		All Marie
		Witness (Print Name)

Attorney Docket No. 0045-056001/130374US0 Page 3 of
et my hand this 16 day of Sep. 2013
#5/K/\$
Witness Signature
柱准峰
Witness (Print Name)
et my hand this day of some , 2013
+1 KUK
Witness Signature
桂俊峪
Witness (Print Name)
et my hand this <u>id</u> day of <u>Seet</u> , 2013. Witness Signature
光海藻
Witness (Print Name)
et my hand this 19/4 day of 1988/19/19/7 , 2013.
+3NKXB2
Witness Signature
St 14 112
Witness (Print Name)

PATENT REEL: 031260 FRAME: 0168

RECORDED: 09/23/2013