

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Yongsik Yoon</td> <td>12/20/2011</td> </tr> <tr> <td>Chanho Jeong</td> <td>12/20/2011</td> </tr> <tr> <td>Juchang Lee</td> <td>12/21/2011</td> </tr> <tr> <td>Chang Bin Song</td> <td>12/20/2011</td> </tr> <tr> <td>Yong Sik Kwon</td> <td>12/20/2011</td> </tr> <tr> <td>Sang Kyun Cha</td> <td>12/20/2011</td> </tr> </tbody> </table>		Name	Execution Date	Yongsik Yoon	12/20/2011	Chanho Jeong	12/20/2011	Juchang Lee	12/21/2011	Chang Bin Song	12/20/2011	Yong Sik Kwon	12/20/2011	Sang Kyun Cha	12/20/2011
Name	Execution Date														
Yongsik Yoon	12/20/2011														
Chanho Jeong	12/20/2011														
Juchang Lee	12/21/2011														
Chang Bin Song	12/20/2011														
Yong Sik Kwon	12/20/2011														
Sang Kyun Cha	12/20/2011														
RECEIVING PARTY DATA															
<table border="1"> <tr> <td>Name:</td> <td>SAP AG</td> </tr> <tr> <td>Street Address:</td> <td>Dietmar-Hopp-Allee 16</td> </tr> <tr> <td>City:</td> <td>Walldorf</td> </tr> <tr> <td>State/Country:</td> <td>GERMANY</td> </tr> <tr> <td>Postal Code:</td> <td>69190</td> </tr> </table>		Name:	SAP AG	Street Address:	Dietmar-Hopp-Allee 16	City:	Walldorf	State/Country:	GERMANY	Postal Code:	69190				
Name:	SAP AG														
Street Address:	Dietmar-Hopp-Allee 16														
City:	Walldorf														
State/Country:	GERMANY														
Postal Code:	69190														
PROPERTY NUMBERS Total: 1															
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13334669</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13334669										
Property Type	Number														
Application Number:	13334669														
CORRESPONDENCE DATA															
Fax Number: (408)516-5926 Phone: 408-244-6319 Email: docketing@fountainheadlaw.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i> Correspondent Name: Fountainhead Law Group P.C. Chad R. Wals Address Line 1: 900 LAFAYETTE STREET Address Line 2: SUITE 301 Address Line 4: SANTA CLARA, CALIFORNIA 95050															
ATTORNEY DOCKET NUMBER:	000005-020700US														

OP \$40.00 13334669

NAME OF SUBMITTER:

Chad R. Walsh

Total Attachments: 3

source=5-20700_Assignment#page1.tif

source=5-20700_Assignment#page2.tif

source=5-20700_Assignment#page3.tif

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, **Yongsik Yoon**, a citizen of South Korea, **Chanho Jeong**, a citizen of South Korea, **Juchang Lee**, a citizen of South Korea, **Chang Bin Song**, a citizen of South Korea, **Yong Sik Kwon**, a citizen of South Korea, and **Sang Kyun Cha**, a citizen of South Korea, 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: **Hybrid Database Table Stored as Both Row and Column Store**

Date(s) of execution of Declaration: **December 20**, 2011; and

Filing Date: **December 22**, 2011

WHEREAS, **SAP AG**, 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.

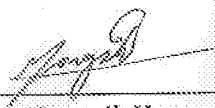
Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, 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.

Assignment
Attorney Docket No.: 000005-020700US
SAP Ref No.: 2011P00563US
Page 2

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

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

Dated: December 20, 2011



Yongsik Yoon

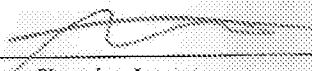
WITNESSED:

Dated: _____

Sign: _____

Print: _____

Dated: December 20, 2011



Chanho Jeong

WITNESSED:

Dated: _____

Sign: _____

Print: _____

Dated: March 21, 2011



Juchang Lee

WITNESSED:

Dated: _____

Sign: _____

Print: _____

Assignment
Attorney Docket No.: 000005-020700US
SAP Ref No.: 2011P005630S
Page 3

Dated: Dec 20, 2011


Chang Bin Song

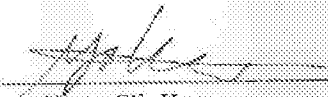
WITNESSED:

Dated: _____

Sign: _____

Print: _____

Dated: Dec. 20, 2011


Yong Sik Kwon

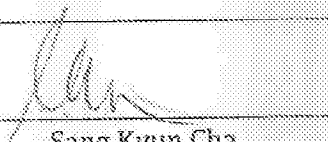
WITNESSED:

Dated: _____

Sign: _____

Print: _____

Dated: December 20, 2011


Sang Kyun Cha

WITNESSED:

Dated: _____

Sign: _____

Print: _____