503046048 11/03/2014

EPAS ID: PAT3092647

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

SUBMISSION TYPE:NEW ASSIGNMENTNATURE OF CONVEYANCE:ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BOYUNG LEE	11/03/2014
YONGSIK YOON	10/31/2014

RECEIVING PARTY DATA

Name:	SAP SE
Street Address:	DIETMAR-HOPP-ALLEE-16
City:	WALLDORF
State/Country:	GERMANY
Postal Code:	D-69190

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14531209

CORRESPONDENCE DATA

Fax Number: (503)595-5301

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.

Phone: 503-595-5300

Email: kristina.bushey@klarquist.com

Correspondent Name: KLARQUIST SPARKMAN LLP/GREGORY L. MAURER

Address Line 1: 121 SW SALMON STREET, SUITE 1600

Address Line 2: ONE WORLD TRADE CENTER
Address Line 4: PORTLAND, OREGON 97204

ATTORNEY DOCKET NUMBER: 8880-93618-01

NAME OF SUBMITTER: GREGORY L. MAURER

SIGNATURE: /Gregory L. Maurer/

DATE SIGNED: 11/03/2014

Total Attachments: 2

source=Assignment1#page1.tif source=Assignment2#page1.tif

PATENT 503046048 REEL: 034094 FRAME: 0112

ASSIGNMENT

I, Boyung Lee ("ASSIGNOR"), have invented subject matter ("INVENTION"), disclosed and/or claimed in the following patent application(s) ("APPLICATIONS");

U.S. Patent Application entitled PARTITION-AWARE DISTRIBUTED EXECUTION OF WINDOW OPERATOR, having U.S. Patent Application No. <u>14/531,209</u>, filed on November 3, 2014 :

ASSIGNOR hereby authorizes and requests ASSIGNEE'S legal representatives of Klarquist Sparkman, LLP, 121 S.W. Salmon Street, Spite 1600, Portland, OR 97204 USA, who are associated with customer number 106592, to insert the application number(s) and filing date(s) above when known;

SAP SE, Dietmar-Hopp-Allee 16, D-69190 Walldorf, Germany, a company organized under the laws of the country of Germany, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to and is desirous of acquiring the entire and exclusive rights, title, and interest in the INVENTION, the APPLICATIONS, and all other applications and patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES");

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns, and transfers to the ASSIGNEE, the entire and exclusive rights, title, and interest in the INVENTION, the APPLICATIONS, and APPLICATION DERIVATIVES, including foreign priority rights;

ASSIGNOR agrees to sign any documents required for the prosecution of the APPLICATIONS and APPLICATION DERIVATIVES, for litigation regarding letters patent derived therefrom, and for protecting and perfecting title to the APPLICATIONS and APPLICATION DERIVATIVES.

Bisish	Normber - 3. 2014
Inventor's Signature	Date Signed
Boyung Lee	
<u>AKU</u>	Nov 3, 20/CL
Witness Signature	Date Signed
Sungheun Wi	
Witness Name (print)	000000000000000000000000000000000000000

Assignment

fage I of I

<u>ASSIGNMENT</u>

I, Yongsik Yoon ("ASSIGNOR"), have invented subject matter ("INVENTION"), disclosed and/or claimed in the following patent application(s) ("APPLICATIONS"):

U.S. Patent Application entitled PARTITION-AWARE DISTRIBUTED EXECUTION OF WINDOW OPERATOR, having U.S. Patent Application No. 14/531,209_, filed on November 3, 2014____;

ASSIGNOR hereby authorizes and requests ASSIGNEE'S legal representatives of Klarquist Sparkman, LLP, 121 S.W. Salmon Street, Suite 1600, Portland, OR 97204 USA, who are associated with customer number 106592, to insert the application number(s) and filing date(s) above when known;

SAP SE, Dieimar-Hopp-Allee 16, D-69190 Walldorf, Germany, a company organized under the laws of the country of Germany, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to and is desirous of acquiring the entire and exclusive rights, title, and interest in the INVENTION, the APPLICATIONS, and all other applications and patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES");

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns, and transfers to the ASSIGNEE, the entire and exclusive rights, title, and interest in the INVENTION, the APPLICATIONS, and APPLICATION DERIVATIVES, including foreign priority rights;

ASSIGNOR agrees to sign any documents required for the prosecution of the APPLICATIONS and APPLICATION DERIVATIVES, for litigation regarding letters patent derived therefrom, and for protecting and perfecting title to the APPLICATIONS and APPLICATION DERIVATIVES.

	31, 14, 24/4
Inventor's Signature/	Date Signed
Yongsik Yoon	en e
- Jack	31,10,2014
Witness Signature	Date Signed
RONANN KANGROVICA	
Witness Name (print)	

Assignment

Page 1 of 1