PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HYEONG SEOG KIM	02/27/2014
JAEYUN NOH	02/25/2014
YONG SIK KWON	02/26/2014
SANG KYUN CHA	04/07/2014

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14253634

CORRESPONDENCE DATA

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US Mail.

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Email: kelly.mccarthy@klarquist.com

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

ATTORNEY DOCKET NUMBER:	8880-92189-02
NAME OF SUBMITTER:	CORY A. JONES
SIGNATURE:	/Cory A. Jones/
DATE SIGNED:	04/16/2014

Total Attachments: 4

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PATENT REEL: 032685 FRAME: 0008

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

U.S. Patent Application entitled PROACTIVE MEMORY ALLOCATION, having U.S. Patent Application No. 14/253,634, filed on April 15, 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 AG, 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.

Thor	27/02/2014
Inventor's Signature	Date Signed
Hyeong Seog Kim	
FIBE	27/02/2014
Witness Signature	Date Signed
ROMANS KASPEROVI'S	
Witness Name (print)	

Assignment

Page I of I

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

U.S. Patent Application entitled PROACTIVE MEMORY ALLOCATION, having U.S. Patent Application No. 14/253,634, filed on April 15, 2014;

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/drus//	Feb. 25.2014.
Inventor's Signature	Date Signed
Jaeyun Noh	
yphan	Feb. 25, 2014.
Witness Signature	Date Signed
YONG SIK KWON	
Witness Name (print)	

Assignment

Page 1 of 1

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

U.S. Patent Application entitled PROACTIVE MEMORY ALLOCATION, having U.S. Patent Application No. 14/253,634, filed on April 15, 2014;

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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.

Inventor's Signature Yong Sik Kwon

Witness Signature

Witness Name (print)

JAEYUN

Flebruary 26th 2014

Date Signed

February 26th 2014

Date Signed

Assignment

Page I of I

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

U.S. Patent Application entitled PROACTIVE MEMORY ALLOCATION, having U.S. Patent Application No. 14/253,634, filed on April 15, 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;

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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.

DESCRIPTION OF THE PROPERTY OF	
M	2014-04-07
Inventor's Signature	Date Signed
Sang Kyun Cha	
lad.	2014-04-16
Witness Signature	Date Signed
Kang, Soo Ah	
Witness Name (print)	

Assignment

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