

PATENT ASSIGNMENT COVER SHEET

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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>YONG SIK LEE</td> <td>11/25/2013</td> </tr> <tr> <td>JAEYOUNG CHOI</td> <td>11/25/2013</td> </tr> <tr> <td>JIN YOUNG KOOK</td> <td>11/25/2013</td> </tr> <tr> <td>JOCHEN BECKER</td> <td>11/22/2013</td> </tr> <tr> <td>ALEXANDER BOEHM</td> <td>11/22/2013</td> </tr> </tbody> </table>		Name	Execution Date	YONG SIK LEE	11/25/2013	JAEYOUNG CHOI	11/25/2013	JIN YOUNG KOOK	11/25/2013	JOCHEN BECKER	11/22/2013	ALEXANDER BOEHM	11/22/2013
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<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>D-69190</td> </tr> </table>		Name:	SAP AG	Street Address:	DIETMAR-HOPP-ALLEE 16	City:	WALLDORF	State/Country:	GERMANY	Postal Code:	D-69190		
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CORRESPONDENCE DATA													
Fax Number:	(203)972-7627												
Phone:	203-972-0006												
Email:	martin@BMTPATENT.COM												
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>													
Correspondent Name:	BUCKLEY, MASCHOFF & TALWALKAR LLC												
Address Line 1:	50 LOCUST AVENUE												
Address Line 4:	NEW CANAAN, CONNECTICUT 06840												
ATTORNEY DOCKET NUMBER:	131232US01												
NAME OF SUBMITTER:	NANDU A. TALWALKAR												

Signature:	/NAT/
Date:	11/26/2013
Total Attachments: 5 source=131232US01 - Executed Assignment of Rights#page1.tif source=131232US01 - Executed Assignment of Rights#page2.tif source=131232US01 - Executed Assignment of Rights#page3.tif source=131232US01 - Executed Assignment of Rights#page4.tif source=131232US01 - Executed Assignment of Rights#page5.tif	

ASSIGNMENT OF RIGHTS, TITLE AND INTEREST IN INVENTION

This is an Assignment of the following rights, title and interest: *(check all that apply)*

United States of America rights, title and interest in the invention

Foreign rights, title and interest in the invention

The following United States Patent Application

United States Patent Application No.: 14/090,097

which was filed on: November 26, 2013

United States Provisional Patent Application Serial No.:

United States Patent No(s).:

International (PCT) Patent Application Serial No.:

Other *(specify)*:

TITLE OF THE INVENTION:

FOR ALL ENTRIES PROCESSING

Inventors *(assignors)*

Name	Address
Yong Sik Lee	SAP Global IP Group, SAP AG, Dietmar-Hopp-Allee 16, D-69190 Walldorf, Germany
Jaeyoung Choi	SAP Global IP Group, SAP AG, Dietmar-Hopp-Allee 16, D-69190 Walldorf, Germany
Jin Young Kook	SAP Global IP Group, SAP AG, Dietmar-Hopp-Allee 16, D-69190 Walldorf, Germany

Jochen Becker SAP Global IP Group, SAP AG, Dietmar-Hopp-Allee 16, D-69190
Walldorf, Germany

Alexander Boehm SAP Global IP Group, SAP AG, Dietmar-Hopp-Allee 16, D-69190
Walldorf, Germany

Assignee

Name	Address
SAP AG	Dietmar-Hopp-Allee 16, D-69190 Walldorf, Germany

Whereas, we, the above-identified Inventor, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as “Invention”);

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified assignee;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further authorize and request that attorney, Nandu A. Talwalkar, of Buckley, Maschoff & Talwalkar LLC, insert the filing date and application number of the above-referenced patent application when known;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Inventors' Signatures

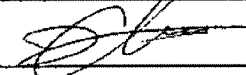
Yong Sik Lee:  Date: 25 November 2013

Witnessed by:  Date: 25 November 2013

Jaeyoung Choi:  Date: 25 November 2013

Witnessed by:  Date: 25 November 2013

Jin Young Kook:  Date: 25 November 2013

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Jaeyoung Choi: _____ Date: _____

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Jin Young Kook: _____ Date: _____

Witnessed by: _____ Date: _____

Jochen Becker: Joel Beck Date: 11/22/2013

Witnessed by: Wick Date: 11/22/2013

Alexander Boehm: _____ Date: _____

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Jin Young Kook: _____ Date: _____

Witnessed by: _____ Date: _____

Jochen Becker: _____ Date: _____

Witnessed by: _____ Date: _____

Alexander Boehm: *Alexander Boehm* Date: 2013-11-22

Witnessed by: *Jody Richards* Date: 2013-11-22