

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3627874

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JANE JUNG LEE	11/18/2015
TAEHYUNG LEE	11/18/2015
JIYOUNG YOO	11/18/2015
SUNG HEUN WI	11/18/2015
KI HONG KIM	11/18/2015
RECEIVING PARTY DATA	
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Street Address:	DIETMAR-HOPP-ALLEE 16
City:	WALLDORF
State/Country:	GERMANY
Postal Code:	D-69190
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14946745
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ATTORNEY DOCKET NUMBER:	54874-161F01US
NAME OF SUBMITTER:	DAVID C. LANEY, PH.D.
SIGNATURE:	/DCL314/
DATE SIGNED:	11/23/2015
Total Attachments: 4	
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ASSIGNMENT

We, **JANE JUNG LEE, TAEHYUNG LEE, JIYOUNG YOO, SUNG HEUN WI, and KI HONG KIM**, the undersigned, herein referred to as the ASSIGNOR, for good and valuable consideration, the receipt of which is hereby acknowledged, confirm that we have sold and assigned, and do hereby assign, sell and transfer to **SAP SE**, a European company, with an office at Dietmar-Hopp-Allee 16, Walldorf, Germany, D69190 and to its successors, assigns and legal representatives, collectively hereinafter referred to as the ASSIGNEE: (1) our entire right, title and interest for the United States and in all countries, in and to any and all inventions, discoveries and applications which are disclosed in the application for United States Letters Patent entitled:

QUERY PLAN OPTIMIZATION BY PERSISTING A HINT TABLE

and electronically filed with the U.S. Patent and Trademark Office on **November 20, 2015**, and assigned Application No. **14/946,745**, including any subsequently filed utility applications, which claim priority to Application No. **14/946,745**, including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof and any substitute applications therefor; (2) the full and complete right to file patent applications in the name of the ASSIGNEE, its designee, or in our names as the ASSIGNEE, or its designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any country, and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same; and (4) the entire right, title and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications.

We authorize and request the attorneys of record or the attorney filing the application to insert into this assignment the filing date and serial number of the application when known.

We hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to the ASSIGNEE of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

We agree, at any time, upon the request of the ASSIGNEE, to execute and to deliver to the ASSIGNEE any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries, or applications and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

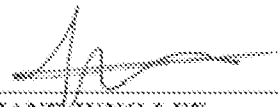
We further agree at any time to execute and to deliver upon request of the ASSIGNEE such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect the rights of the ASSIGNEE under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

We hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.


We hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

We further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date: 11-18-2015


JANGJUNG LEE

Witnessed by:


Signature
SUNGHYUN WZ
Print Name

Nov 18, 2015
Date

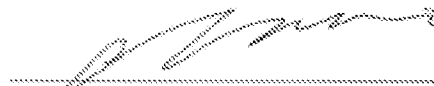
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Signature

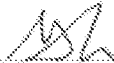
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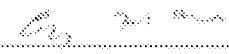

TAEHYUNG LEE

Witnessed by:


Signature
SEUNGMEUN WI
Print Name

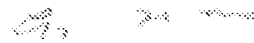
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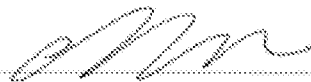

Signature
JYOUNG YOO
Print Name

Nov 18, 2015
Date

Date: Nov 18, 2015


JIYOUNG YOO

Witnessed by:


Signature
TAEHYUNG LEE
Print Name

Nov 18, 2015
Date

Witnessed by:

Signature

Print Name

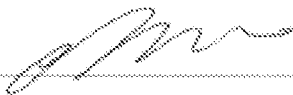
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Date: Nov 18, 2015


SUNG HEUN WI

Witnessed by:

Signature



TAEHYUNG LEE

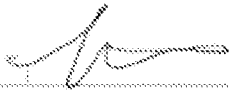
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Nov 18, 2015

Witnessed by:

Signature



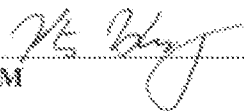
Jane Jung Lee

Print Name

Date

11-18-2015

Date: Nov. 18, 2015


KI HONG KIM

Witnessed by:

Signature



SUNG HEUN WI

Print Name

Date

Nov 18, 2015

Witnessed by:

Signature

Date

Print Name