

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JUCHANG LEE	04/01/2019
HYEJEONG LEE	04/01/2019
KYU HWAN KIM	04/01/2019
FRIEDRICH KELLER	04/01/2019
MIHNEA ANDREI	04/02/2019
RECEIVING PARTY DATA	
Name:	SAP SE
Street Address:	DIETMAR-HOPP-ALLEE 16
City:	WALLDORF
State/Country:	GERMANY
Postal Code:	69190
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16372644
CORRESPONDENCE DATA	
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<i>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.</i>	
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Address Line 4:	MINNEAPOLIS, MINNESOTA 55440-1022
ATTORNEY DOCKET NUMBER:	22135-1407001
NAME OF SUBMITTER:	CANDICE R. ROCKETT
SIGNATURE:	/Candice R. Rockett/
DATE SIGNED:	04/02/2019
Total Attachments: 5	
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Attorney Dkt. No. 22135-1407001 / 190191US01

ASSIGNMENT

For valuable consideration, I, **Juchang Lee,**

hereby assign to

SAP SE, a corporation of Europe having a place of business at Dietmar-Hopp-Allee 16, 69190 Walldorf, Germany

and its successors, and assigns (collectively, the ASSIGNEE) my entire right, title and interest throughout the world in the inventions and im provements in a patent document entitled:

SUPPORTING SCALABLE DISTRIBUTED SECONDARY INDEX USING REPLICATION ENGINE FOR HIGH-PERFORMANCE DISTRIBUTED DATABASE SYSTEMS

which is found in the:

US patent application filed on: **April 2, 2019**

under Application No. **16/372,644**

I 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. This assignment includes the foregoing patent application or patent, as well as continuations and divisionals of said application, all legal equivalents in any country, and all patents issuing from such legal equivalents; all patents, utility models, and design registrations granted by any jurisdiction for any of said inventions and im provements; and the right to claim priority based on the filing date of the foregoing patent application or patent under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes. I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and im provements. I hereby covenant that no assignment, sale, agreement or encum brance has been or will be made or entered into that would conflict with this assignment. I hereby state and agree that no assignment, sale, agreement, or encum brance has been or will be made or entered into that would conflict with this assignment. I further agree for myself and my heirs, legal representatives, and assigns to provide to the Assignee promptly upon its request and at its expense all pertinent facts and documents relating to any of said inventions and im provements or said patents and legal equivalents as may be known and accessible to me and to testify as to the same in any interference, litigation, or proceeding relating thereto; and I agree promptly to perform such lawful acts and to sign such further applications, assignments, statements, and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Inventor's Signature:

DocuSigned by:
Juchang Lee
AS38672EF2594F2...
Juchang Lee

4/1/2019

Attorney Dkt. No. 22135-1407001 / 190191US01

ASSIGNMENT

For valuable consideration, I, **Hyejeong Lee**,

hereby assign to

SAP SE, a corporation of Europe having a place of business at Dietmar-Hopp-Allee 16, 69190 Walldorf, Germany

and its successors, and assigns (collectively, the ASSIGNEE) my entire right, title and interest throughout the world in the inventions and im provements in a patent document entitled:

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Inventor's Signature:

DocuSigned by:
Hyejeong Lee
6881589FFFA412...
Hyejeong Lee

4/1/2019

Attorney Dkt. No. 22135-1407001 / 190191US01

ASSIGNMENT

For valuable consideration, I, **Kyu Hwan Kim**,

hereby assign to

SAP SE, a corporation of Europe having a place of business at Dietmar-Hopp-Allee 16, 69190 Walldorf, Germany

and its successors, and assigns (collectively, the ASSIGNEE) my entire right, title and interest throughout the world in the inventions and improvements in a patent document entitled:

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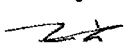
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Inventor's Signature:

DocuSigned by:

84FE070ECEF8436...
Kyu Hwan Kim

4/1/2019

Attorney Dkt. No. 22135-1407001 / 190191US01

ASSIGNMENT

For valuable consideration, I, **Friedrich Keller**,

hereby assign to

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and its successors, and assigns (collectively, the ASSIGNEE) my entire right, title and interest throughout the world in the inventions and im provements in a patent document entitled:

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Inventor's Signature:

DocuSigned by:
Friedrich Keller
0E93DE6EA3AB46D...
Friedrich Keller

4/1/2019

Attorney Dkt. No. 22135-1407001 / 190191US01

ASSIGNMENT

For valuable consideration, I, **Mihnea ANDREI**,

hereby assign to

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and its successors, and assigns (collectively, the ASSIGNEE) my entire right, title and interest throughout the world in the inventions and improvements in a patent document entitled:

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Inventor's Signature:

DocuSigned by:
Mihnea ANDREI
Mihnea ANDREI
8DDEBE214B75426...

4/2/2019