

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2909063

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
OLAF SCHMIDT	06/23/2014
JASON KAFKA	06/17/2014
PHILIPP THUN	06/18/2014
RECEIVING PARTY DATA	
Name:	SAP AG
Street Address:	Dietmar-Hopp-Allee 16
City:	Walldorf
State/Country:	GERMANY
Postal Code:	69190
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14305647
CORRESPONDENCE DATA	
Fax Number:	(877)769-7945
<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>	
Phone:	(214) 747-5070
Email:	APSI@fr.com
Correspondent Name:	FISH & RICHARDSON P.C.
Address Line 1:	P.O. BOX 1022
Address Line 4:	MINNEAPOLIS, MINNESOTA 55440-1022
ATTORNEY DOCKET NUMBER:	22135-0347001
NAME OF SUBMITTER:	CANDICE R. ROCKETT
SIGNATURE:	/Candice R. Rockett/
DATE SIGNED:	06/23/2014
Total Attachments: 3	
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ASSIGNMENT

For valuable consideration, we, **Olaf Schmidt, Jason Kafka and Philipp Thun**, hereby assign to **SAP AG**, a German corporation, having a place of business at Dietmar-Hopp-Allee 16, 69190 Walldorf, Germany, and its successors; and assigns (collectively, "the ASSIGNEE") our entire right, title and interest throughout the world in the inventions and improvements in a patent document entitled

THREE-DIMENSIONAL VOLUME RENDERING USING AN IN-MEMORY DATABASE,

which is found in

U.S. patent application filed on June 16, 2014

[X] under Application No. 14/305,647

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.

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 improvements; 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. We authorize the Assignee to apply in all countries in our names 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 improvements.

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

We further agree for ourselves and our respective 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 improvements or said patents and legal equivalents as may be known and accessible to us and to testify as to the same in any interference, litigation, or proceeding relating thereto; and we 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

Olaf Schmidt

Witnessed by:

Daniel Bruckmann
Signature

Daniel Bruckmann
Print Name

22.6.2014
Date

Inventor's Signature Jason Kafka

Jason Kafka

Witnessed by: [Signature]
Signature

06/17/2014
Date

KEI LEBERER
Print Name

Inventor's Signature Philipp Thun
Philipp Thun
Witnessed by: Daniel Bruckmann
Signature
Daniel Bruckmann
Print Name

6/18/2014
Date