

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
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ARNDT EFFERN	03/29/2016
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Property Type	Number
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Total Attachments: 4	
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ASSIGNMENT

For valuable consideration, we, Edgardo Gilde Koenig, Steffen Siegmund, Arndt Effern and Guenter Briam, hereby assign to SAP SE, a corporation of Europe, having a place of business at Dietmar-Hopp-Allee 16, D-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

**DEEP FILTER PROPAGATION USING EXPLICIT DEPENDENCY AND EQUIVALENCY
DECLARATIONS IN A DATA MODEL.**

which is found in the

U.S. patent application filed on March 31, 2016

[X] under Application No. 15/086,733

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

Edgardo Gilde Koenig

Witnessed by:

Signature

Print Name

Date

Inventor's Signature

Steffen Siegmund

Witnessed by:

Signature

Print Name

D. Torsten Wittke

Date

03/28/16

Inventor's Signature

Arash Eftekhari

Witnessed by:

Signature


Print Name

Dr. Torsten Wittke

Date

03/29/16

Inventor's Signature 
Guenter Briam

Witnessed by 
Signature
Dr. Vorkley Wittkegel
Print Name

03/28/16
Date