

PATENT ASSIGNMENT

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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>AXEL BRULAND</td> <td>12/18/2009</td> </tr> <tr> <td>Heike Guder</td> <td>12/18/2009</td> </tr> <tr> <td>Karol Kalisz</td> <td>12/18/2009</td> </tr> <tr> <td>Karim Mohraz</td> <td>12/18/2009</td> </tr> </tbody> </table>		Name	Execution Date	AXEL BRULAND	12/18/2009	Heike Guder	12/18/2009	Karol Kalisz	12/18/2009	Karim Mohraz	12/18/2009
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AXEL BRULAND	12/18/2009										
Heike Guder	12/18/2009										
Karol Kalisz	12/18/2009										
Karim Mohraz	12/18/2009										
RECEIVING PARTY DATA											
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Internal Address:	Global Intellectual Property										
City:	Walldorf										
State/Country:	GERMANY										
Postal Code:	69190										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12644032</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12644032						
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Application Number:	12644032										
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**PATENT
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Total Attachments: 3

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ASSIGNMENT

For valuable consideration, we, AXEL BRULAND, HEIKE GUDER, KAROL KALISZ and KARIM MOHRAZ hereby assign to SAP AG, a German Corporation, 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 that are the subject of a patent document entitled

CAPTURING OLAP ANALYSIS THREAD AS REFRESHABLE BUSINESS INTELLIGENCE DATA

which is found in

U.S. patent application filed on December 22, 2009
[] under Application No. 12/644,032
[] with Express Mail No. _____ (Application Number not yet known)

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, 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 [Signature] 12/18/2009
Print Name AXEL BRULAND Date

Witnessed by: [Signature] 12/18/2009
Signature Olaf Fischer Date
Print Name

Inventor's Signature [Signature] 12/18/2009
Print Name HEIKE GUDER Date

Witnessed by: [Signature] 12/18/2009
Signature Olaf Fischer Date
Print Name

Inventor's Signature _____
Print Name KAROL KALISZ Date 12/18/2009

Witnessed by: O. Fisher
Signature _____ Date 12/18/2009
Print Name Olaf Fisher

Inventor's Signature _____
Print Name KARIM MOHRAZ Date 12/18/2009

Witnessed by: O. Fisher
Signature _____ Date 12/18/2009
Print Name Olaf Fisher

Inventor's Signature Karol Kalisz
Print Name KAROL KALISZ Date 12/18/2009

Witnessed by: [Signature]
Signature Olaf Fisher Date 12/18/2009
Print Name _____

Inventor's Signature [Signature]
Print Name KARIM MOHRAZ Date 12/18/2009

Witnessed by: [Signature]
Signature Olaf Fisher Date 12/18/2009
Print Name _____