

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>Nadine Gaertner</td> <td>10/28/2010</td> </tr> <tr> <td>Holger Zandler</td> <td>10/28/2010</td> </tr> <tr> <td>Benjamin Spieler</td> <td>10/28/2010</td> </tr> </tbody> </table>		Name	Execution Date	Nadine Gaertner	10/28/2010	Holger Zandler	10/28/2010	Benjamin Spieler	10/28/2010
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Nadine Gaertner	10/28/2010								
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Benjamin Spieler	10/28/2010								
RECEIVING PARTY DATA									
Name:	SAP AG								
Street Address:	Dietmar-Hopp-Allee 16								
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>12914646</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12914646				
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Application Number:	12914646								
CORRESPONDENCE DATA									
Fax Number:	(612)332-8352								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Email:	sidharthv@cpaglobal.com								
Correspondent Name:	Brake Hughes Bellermann LLP								
Address Line 1:	c/o CPA Global								
Address Line 2:	PO Box 52050								
Address Line 4:	Minneapolis, MINNESOTA 55402								
ATTORNEY DOCKET NUMBER:	0032-022001								
NAME OF SUBMITTER:	Shane A. Kennedy								

Total Attachments: 3
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PATENT
REEL: 025881 FRAME: 0365

OP \$40.00 12914646

ASSIGNMENT

WHEREAS, We, **NADINE GAERTNER**, residing in Speyer, Germany, **HOLGER ZENDLER**, residing in Heidelberg, Germany, and **BENJAMIN SPIELER**, residing in Mannheim, Germany, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States entitled **AGGREGATING BASED ON HIERARCHY AND SCALING INPUT**;

WHEREAS, I hereby authorize and request my attorneys, as listed on the Combined Declaration and Power of Attorney, at Brake Hughes Bellermann LLP, to insert here in parentheses (Ser. No. 12/914,646 ; Filing Date: October 28, 2010) the filing date and application number of said application when known.

AND WHEREAS, **SAP AG**, a corporation organized and existing under and by virtue of the laws of Germany, and having an office and place of business at Dietmar-Hopp-Allee 16, Walldorf, 69190 Germany (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, I have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and I do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to

the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, I do hereby agree that I and my executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to me relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, I covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 28 day of October, 2010.

Nadine Gaertner
Nadine Gaertner

THOMAS LANG
Witness (Print Name)

Thomas Lang
Witness Signature

IN TESTIMONY WHEREOF, I have hereunto set my hand this 28 day of October, 2010.

Holger Zendler

Holger Zendler

Thomas Lang

Witness (Print Name)

Thomas Lang

Witness Signature

IN TESTIMONY WHEREOF, I have hereunto set my hand this 28 day of October, 2010.

B. Spieler

Benjamin Spieler

Thomas Lang

Witness (Print Name)

Thomas Lang

Witness Signature