

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>Heng Wang</td> <td>09/26/2013</td> </tr> <tr> <td>Gufei Sun</td> <td>09/26/2013</td> </tr> <tr> <td>Wen-Syan Li</td> <td>09/30/2013</td> </tr> </tbody> </table>		Name	Execution Date	Heng Wang	09/26/2013	Gufei Sun	09/26/2013	Wen-Syan Li	09/30/2013
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Heng Wang	09/26/2013								
Gufei Sun	09/26/2013								
Wen-Syan Li	09/30/2013								
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>14041908</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14041908				
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Application Number:	14041908								
CORRESPONDENCE DATA									
Fax Number:	6123328352								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	202-470-6454								
Email:	lisa@brakehughes.com								
Correspondent Name:	BRAKE HUGHES BELLERMANN LLP								
Address Line 1:	C/O CPA Global								
Address Line 2:	P.O. BOX 52050								
Address Line 4:	MINNEAPOLIS, MINNESOTA 55402								
ATTORNEY DOCKET NUMBER:	0045-061001/130524US01								
NAME OF SUBMITTER:	WILLIAM G. HUGHES								
Signature:	/William G. Hughes/								

Date:

10/03/2013

Total Attachments: 3

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ASSIGNMENT

WHEREAS, We, Heng Wang, residing in Shanghai China, and Gufei Sun, residing in Shanghai China, and Wen-Syan Li, residing in Fremont, CA, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States entitled PROVISION OF SEARCH REFINEMENT SUGGESTIONS BASED ON MULTIPLE QUERIES;

WHEREAS, We hereby authorize and request the attorneys at Brake Hughes Bellermann LLP, to insert here in parentheses (Ser. No. _____; Filing Date: _____) the filing date and application number of said application when known.

AND WHEREAS, SAPAG, 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 28th day of Sep., 2013.

Heng Wang
Heng Wang

Gufei Sun
Witness Signature

Gufei Sun
Witness (Print Name)

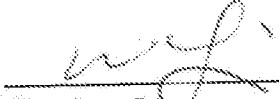
IN TESTIMONY WHEREOF, I have hereunto set my hand this 26th day of Sep., 2013.

Gufei Sun
Gufei Sun

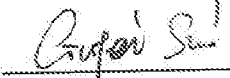
Heng Wang
Witness Signature

Heng Wang
Witness (Print Name)

IN TESTIMONY WHEREOF, I have hereunto set my hand this 30 day of Sep, 2013.



Wen-Syan Li



Witness Signature

Gufei Sun

Witness (Print Name)