

## PATENT ASSIGNMENT

Electronic Version v1.1

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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>Vitaly Vainer</td> <td>11/20/2011</td> </tr> <tr> <td>Yahali Sherman</td> <td>11/20/2011</td> </tr> <tr> <td>Doron Lehmann</td> <td>11/20/2011</td> </tr> <tr> <td>Eran Nelinger</td> <td>11/20/2011</td> </tr> </tbody> </table> |                                   | Name          | Execution Date | Vitaly Vainer       | 11/20/2011 | Yahali Sherman | 11/20/2011 | Doron Lehmann | 11/20/2011 | Eran Nelinger | 11/20/2011 |
| Name  | Execution Date                    |               |                |                     |            |                |            |               |            |               |            |
| Vitaly Vainer   | 11/20/2011                        |               |                |                     |            |                |            |               |            |               |            |
| Yahali Sherman  | 11/20/2011                        |               |                |                     |            |                |            |               |            |               |            |
| Doron Lehmann   | 11/20/2011                        |               |                |                     |            |                |            |               |            |               |            |
| Eran Nelinger   | 11/20/2011                        |               |                |                     |            |                |            |               |            |               |            |
| RECEIVING PARTY DATA  |                                   |               |                |                     |            |                |            |               |            |               |            |
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| Internal Address:   | P.O. Box 2658                     |               |                |                     |            |                |            |               |            |               |            |
| City:   | Ra'anana                          |               |                |                     |            |                |            |               |            |               |            |
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| Postal Code:  | 43657                             |               |                |                     |            |                |            |               |            |               |            |
| 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>13300762</td> </tr> </tbody> </table>   |                                   | Property Type | Number         | Application Number: | 13300762   |                |            |               |            |               |            |
| Property Type   | Number                            |               |                |                     |            |                |            |               |            |               |            |
| Application Number:   | 13300762                          |               |                |                     |            |                |            |               |            |               |            |
| CORRESPONDENCE DATA   |                                   |               |                |                     |            |                |            |               |            |               |            |
| Fax Number:   | 612-288-96                        |               |                |                     |            |                |            |               |            |               |            |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>  |                                   |               |                |                     |            |                |            |               |            |               |            |
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| Email:  | PATDOCTC@fr.com                   |               |                |                     |            |                |            |               |            |               |            |
| Correspondent Name:   | FISH & RICHARDSON, P.C.           |               |                |                     |            |                |            |               |            |               |            |
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| ATTORNEY DOCKET NUMBER:   | 22135-0080001                     |               |                |                     |            |                |            |               |            |               |            |
| NAME OF SUBMITTER:  | Candice R. Rockett                |               |                |                     |            |                |            |               |            |               |            |
| Signature:  | /Candice R. Rockett/              |               |                |                     |            |                |            |               |            |               |            |

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Date:

07/11/2013

Total Attachments: 2

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ASSIGNMENT

For valuable consideration, we, Vitaty Vainer, Yahali Sherman, Doron Lehmann and Eran Nelinger, hereby assign to SAP Portals Israel, Ltd., a Corporation of Israel, having a place of business at 4 Hacharoshet St., P.O. Box 2658, Raanana 43657, Israel, 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

Graphical Exploration of a Database,

which is found in

U.S. patent application filed on November 21, 2011

under Application No. 13/300,762


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   
Vitaly Vainer

Witnessed by:   
Signature  
DORON LEHMANN  
Print Name


20/11/11  
Date

Inventor's Signature   
Yahali Sherman

Witnessed by:   
Signature  
DORON LEHMANN  
Print Name

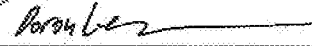
20/11/2011  
Date

Inventor's Signature   
Doron Lehmann

Witnessed by:   
Signature  
~~DORON LEHMANN~~ Yahali Sherman.  
Print Name

20/11/2011  
Date

Inventor's Signature   
Eran Neiriger

Witnessed by:   
Signature  
DORON LEHMANN  
Print Name

20/11/2011  
Date

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