PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Madison POON	11/17/2010
Ryan HANNA	11/08/2010
Ashley GADD	11/17/2010
Chun Pong CHAN	11/16/2010
Julian GOSPER	11/17/2010
Sylvie DENIS	11/18/2010

RECEIVING PARTY DATA

Name:	SAP AG
Street Address:	Dietmar-Hopp-Allee 16
City:	Walldorf
State/Country:	GERMANY
Postal Code:	D-69190

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12957640

CORRESPONDENCE DATA

(202)220-4201 Fax Number:

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

prabinovich@Kenyon.com Email:

Correspondent Name: Robert L. Hails Address Line 1: 1500 K Street N.W.

Address Line 4: Washington, DISTRICT OF COLUMBIA 20005

ATTORNEY DOCKET NUMBER:	11884/512301
NAME OF SUBMITTER:	Pnina Rabinovich

REEL: 025415 FRAME: 0823

PATENT 501365656

Total Attachments: 8

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Inventor: Madison POON

Docket No. 11884/512301

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned hereby sell, assign, and transfer to SAP AG, a corporation of Germany, having a principal place of business at Dietmar-Hopp-Allee 16, D-69190 Walldorf, Germany ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and discoveries that are disclosed in the United States Patent Application entitled:

PROGRESSIVE EXPLORATION OF DATA RELATIONSHIPS

the specification of which is attached hereto unless the following is entered:

Filed on	as United States Application Number or PCT International Application Number	and was amended on (if applicable)

and in and to said United States Patent Application and all provisional, divisional, continuing, substitute, renewal, reissue, and other patent applications that have been or shall be filed in the United States or any foreign country on any of said inventions and discoveries; and in and to all original and reissued patents that have been or shall be issued in the United States or any foreign country on said inventions and discoveries; and in and to all rights of priority resulting from the filing of said United States Patent Application;

agree that said Assignee may apply for and receive a patent or patents for said inventions and discoveries in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional, divisional, continuing, substitute, renewal, reissue, and other patent applications on any and all said inventions and discoveries; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions and discoveries and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions and discoveries and for vesting title to said inventions and discoveries, and all applications for patents and all patents on said inventions and discoveries, in said Assignee, its successors, assigns, and legal representatives; and

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

Inventor Signature Date Witness Signature Date Print Witness Name Inventor: Ryan HANNA Inventor Signature Date 11/08/2010 Witness Signature Date **Print Witness Name** 11100/2010.

PATENT

REEL: 025415 FRAME: 0825

Inventor: Ashley GADD	
Inventor Signature	Date
Witness Signature	Date
Print Witness Name	
Inventor: Chun Pong CHAN	
Inventor Signature	Date
Witness Signature	Date
Print Witness Name	
Inventor: Julian GOSPER	
Inventor Signature	Date
Witness Signature	Date
Print Witness Name	
Inventor: Sylvie DENIS	
Inventor Signature	Date
Witness Signature	Date
Print Witness Name	

Assignment Document Return Address:

Robert L. Hails KENYON & KENYON, LLP Suite 700 1500 K Street, NW, Washington, DC 20005

Inventor: Madison POON

<u>PATENT</u> Docket No. 11884/512301

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agree that said Assignee may apply for and receive a patent or patents for said inventions and discoveries in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional, divisional, continuing, substitute, renewal, reissue, and other patent applications on any and all said inventions and discoveries; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions and discoveries and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions and discoveries and for vesting title to said inventions and discoveries, and all applications for patents and all patents on said inventions and discoveries, in said Assignee, its successors, assigns, and legal representatives; and

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

Inventor Signature

Witness Signature

Print Witness Name

Inventor: Ryan HANNA

Inventor Signature

Date

Date

Date

Date

nventor: Ashley GADD	***************************************
Inventor Signature	Date
Witness Signature	Date
Print Witness Name	
nventor: Chun Pong CHAN	<i>!</i>
Inventor Signature	Date Nov 16, 2010
Witness Signature	Date
Print Witness Name Ryan Hanna	11/16/2010
nventor: Julian GOSPER	
Inventor Signature	Date
Witness Signature	Date
Print Witness Name	
	L
nventor: Sylvie DENIS	
Inventor Signature	Date

Assignment Document Return Address:

Robert L. Hails KENYON & KENYON, LLP Suite 700 1500 K Street, NW, Washington, DC 20005

Print Witness Name

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and in and to said United States Patent Application and all provisional, divisional, continuing, substitute, renewal, reissue, and other patent applications that have been or shall be filed in the United States or any foreign country on any of said inventions and discoveries; and in and to all original and reissued patents that have been or shall be issued in the United States or any foreign country on said inventions and discoveries; and in and to all rights of priority resulting from the filing of said United States Patent Application;

agree that said Assignee may apply for and receive a patent or patents for said inventions and discoveries in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional, divisional, continuing, substitute, renewal, reissue, and other patent applications on any and all said inventions and discoveries; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions and discoveries and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions and discoveries and for vesting title to said inventions and discoveries, and all applications for patents and all patents on said inventions and discoveries, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned. Inventor Madison POON

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Witness Signature				Date	e atree de la company
Print Witness Name			an en en andere er er an e		······
Inventor: Ryan HANNA Inventor Signature					
Inventor Signature		TO DESCRIPTION OF THE PROPERTY	Autorities and second	Date	Tonorial subsection of the second
Witness Signature				Date	
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PATENT

REEL: 025415 FRAME: 0829

Inventor: Ashley GADD	
Inventor Signature	Date
Witness Signature	Date
Print Witness Name	
Inventor: Chun Pong CHAN	
Inventor Signature	Date
Witness Signature	Date:
Print Witness Name	
Inventor: Julian GOSPER	
Inventor Signature	Date
Witness Signature	Date
Print Witness Name	
Inventor: Sylvie DENIS	
Inventor Signature	Date November 18, 2011
Witness Signature ② Q ズ	Date
Print Witness Name ALEXANDRA LECOMTE	NOV. 18, 2010

Assignment Document Return Address:
Robert L. Hails
KENYON & KENYON, LLP
Suite 700
1500 K Street, NW,
Washington, DC 20005

PATENT

REEL: 025415 FRAME: 0830

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned hereby sell, assign, and transfer to SAP AG, a corporation of Germany, having a principal place of business at Dietmar-Hopp-Allee 16, D-69190 Walldorf, Germany ('Assignee'), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and discoveries that are disclosed in the United States Patent Application entitled:

.	ROGRESSIVE EXPLORATION OF DATA RELA	TIONSHIPS
the specification of which is	attached hereto unless the following is entered:	
Filed on	as United States Application Number or PCT International Application Number	and was amended on (if applicable)
reissue, and other patent ap any of said inventions and or issued in the United States	tates Patent Application and all provisional, divisional polications that have been or shall be fited in the Ulascoveries; and in and to all original and reissued or any foreign country on said inventions and discing of said United States Patent Application;	Inded States or any foreign country of patents that have been or shall be
own name; and that, when assigns, and legal represent undersigned will execute all applications on any and all altorney, and other papers, known to the undersigned resaid Assignee, its successor said inventions and discovery	ay apply for and receive a patent or patents for salequested, without charge to, but at the expense of falives, to carry out in good farth the intent and purprovisional, divisional, continuing, substitute, renessed inventions and discoveries; execute all rightful communicate to said Assignee, its successors, as elating to said inventions and discoveries and the lines assigns, or representatives in securing and marries and for vesting (iffe to said inventions and discoveries, in said Assignee, it	if, said Assignee, its successors, rpose of this Assignment, the ewal, reissue, and other patent if oaths, assignments, powers of saigns, and representatives all facts history thereof, and generally assist intaining proper patent protection for coveries, and all applications for
mortgage, license, or other	iee. its successors, assigns, and legal repress agreement affecting the rights and property herei It full right to convey the same as herein expresser	in conveyed has been made to othe
Inventor Madison POON		
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Inventor. Ryan HANNA		
Inventor Signature		Date
Witness Signature		Date
Print Wilness Name		

Inventor. Ashlay GADD	Security and the first of a second se
Inventor Signature	Date 7.010 ([-1]-
Witness Signature	Date .
Print Witness Name Scort Kuc	2010 - 11 - 17
nventor: Chun Pong CHAN	
Inventor Signature	Date
Witness Signature	Date
Print Witness Name	
inventor: Julian GOSPER Inventor Signature	Date NOV 17/2.010
Witness Signature	Date 12010
Print Witness Name Summer Green	Nov 17/2010
ventor: Sylvia DENIS	
Inventor Signature	Date
Witness Signature	Date

<u>Assignment Document Return Address</u>: Robert L. Halls

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> PATENT REEL: 025415 FRAME: 0832

RECORDED: 12/01/2010