

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

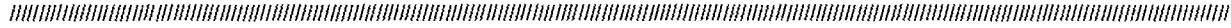
SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Andrey Balmin</td> <td>05/06/2008</td> </tr> <tr> <td>Heasoo Hwang</td> <td>04/15/2008</td> </tr> <tr> <td>Mir Hamid Pirahesh</td> <td>03/28/2008</td> </tr> <tr> <td>Berthold Reinwald</td> <td>03/26/2008</td> </tr> </tbody> </table>		Name	Execution Date	Andrey Balmin	05/06/2008	Heasoo Hwang	04/15/2008	Mir Hamid Pirahesh	03/28/2008	Berthold Reinwald	03/26/2008
Name	Execution Date										
Andrey Balmin	05/06/2008										
Heasoo Hwang	04/15/2008										
Mir Hamid Pirahesh	03/28/2008										
Berthold Reinwald	03/26/2008										
RECEIVING PARTY DATA											
Name:	International Business Machines Corporation										
Street Address:	Armonk										
City:	New York										
State/Country:	NEW YORK										
Postal Code:	10504										
PROPERTY NUMBERS Total: 1											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12053597</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12053597						
Property Type	Number										
Application Number:	12053597										
CORRESPONDENCE DATA											
Fax Number:	(781)634-8042										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	858-756-0357										
Email:	justpatent@sbcglobal.net										
Correspondent Name:	Donald L. Wenskay										
Address Line 1:	P.O. Box 7206										
Address Line 4:	Rancho Santa Fe, CALIFORNIA 92067										
ATTORNEY DOCKET NUMBER:	ARC920070073US1										
NAME OF SUBMITTER:	Donald L. Wenskay										
Total Attachments: 6 source=ARC920070073US1_assign#page1.tif											

OP \$40.00 12053597

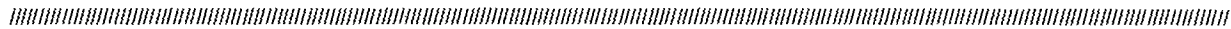
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source=ARC920070073US1_assign#page6.tif

ASSIGNMENT

Whereas, we,



- (1) Name: **Andrey Balmin**
City/State of: San Jose/CA
County/Country of: Santa Clara/United States
- (2) Name: **Heasoo Hwang**
City/State of: La Jolla/CA
County/Country of: San Diego/United States
- (3) Name: **Mir Hamid Pirahesh**
City/State of: San Jose/CA
County/Country of: Santa Clara/United States
- (4) Name: **Berthold Reinwald**
City/State of: San Jose/CA
County/Country of: Santa Clara/United States
- (5) Name:
City/State of:
County/Country of:
- (6) Name:
City/State of:
County/Country of:



have invented certain improvements in:

GRAPH SEARCH SYSTEM AND METHOD FOR QUERYING LOOSELY INTEGRATED DATA

and executed a Declaration and Power of Attorney for a United States patent application therefor on:


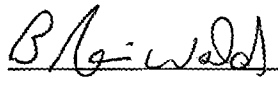
- (1) Date: 5/6/2008
- (2) Date: _____
- (3) Date: _____
- (4) Date: 3/26/2008
- (5) Date: _____
- (6) Date: _____

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, desires to acquire and own the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

ASSIGNMENT

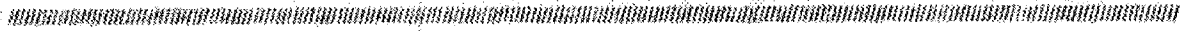
Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, the above named, hereby sell, assign, and transfer to Assignees, their successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and I request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to Assignees, their successors and assigns; and I hereby agree that Assignees may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by Assignees.

Execution by Assignors:

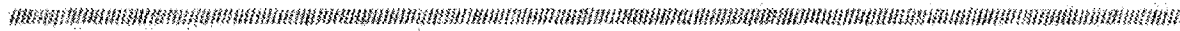
- | | | | | |
|-----|------------|---|------------|------------------|
| (1) | Name: | Andrey Balmin | City/State | San Jose/CA |
| | Signature: |  | Date: | <u>5/6/2008</u> |
| (2) | Name: | Heasoo Hwang | City/State | La Jolla/CA |
| | Signature: | _____ | Date: | _____ |
| (3) | Name: | Mir Hamid Pirahesh | City/State | San Jose/CA |
| | Signature: |  | Date: | <u>3/26/2008</u> |
| (4) | Name: | Berthold Reinwald | City/State | San Jose/CA |
| | Signature: | _____ | Date: | _____ |
| (5) | Name: | | City/State | |
| | Signature: | _____ | Date: | _____ |
| (6) | Name: | | City/State | |
| | Signature: | _____ | Date: | _____ |

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County/Country of: Santa Clara/United States
- (5) Name:
City/State of:
County/Country of:
- (6) Name:
City/State of:
County/Country of:



have invented certain improvements in:

GRAPH SEARCH SYSTEM AND METHOD FOR QUERYING LOOSELY INTEGRATED DATA

and executed a Declaration and Power of Attorney for a United States patent application therefor on:

- (1) Date: _____
- (2) Date: 15 Apr 08
- (3) Date: _____
- (4) Date: _____
- (5) Date: _____
- (6) Date: _____

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, desires to acquire and own the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

ASSIGNMENT

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, the above named, hereby sell, assign, and transfer to Assignees, their successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and I request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to Assignees, their successors and assigns; and I hereby agree that Assignees may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by Assignees.

Execution by Assignors:

(1) Name: Andrey Baimin City/State San Jose/CA

Signature: _____ Date: _____

(2) Name: Heasoo Hwang City/State La Jolla/CA

Signature:  Date: 15 Apr 08

(3) Name: Mir Hamid Pirahesh City/State San Jose/CA

Signature: _____ Date: _____

(4) Name: Berthold Reinwald City/State San Jose/CA

Signature: _____ Date: _____

(5) Name: City/State

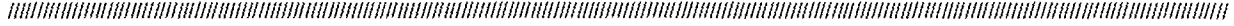
Signature: _____ Date: _____

(6) Name: City/State

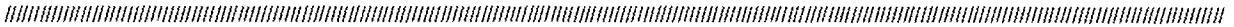
Signature: _____ Date: _____

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and executed a Declaration and Power of Attorney for a United States patent application therefor on:

- (1) Date: _____
- (2) Date: _____
- (3) Date: March 28 2008
- (4) Date: _____
- (5) Date: _____
- (6) Date: _____

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Execution by Assignors:

(1) Name: Andrey Balmin City/State San Jose/CA

Signature: _____ Date: _____

(2) Name: Heasoo Hwang City/State La Jolla/CA

Signature: _____ Date: _____

(3) Name: Mir Hamid Pirahesh City/State San Jose/CA

Signature:  Date: March 28 2008

(4) Name: Berthold Reinwald City/State San Jose/CA

Signature: _____ Date: _____

(5) Name: City/State

Signature: _____ Date: _____

(6) Name: City/State

Signature: _____ Date: _____