

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT								
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT								
<b>CONVEYING PARTY DATA</b>									
<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>Alexander Haubold</td> <td>04/02/2007</td> </tr> <tr> <td>Milind R. Naphade</td> <td>04/05/2007</td> </tr> <tr> <td>Apostol Ivanov Natsev</td> <td>04/03/2007</td> </tr> </tbody> </table>		Name	Execution Date	Alexander Haubold	04/02/2007	Milind R. Naphade	04/05/2007	Apostol Ivanov Natsev	04/03/2007
Name	Execution Date								
Alexander Haubold	04/02/2007								
Milind R. Naphade	04/05/2007								
Apostol Ivanov Natsev	04/03/2007								
<b>RECEIVING PARTY DATA</b>									
<b>Name:</b>	International Business Machines Corporation								
<b>Street Address:</b>	New Orchard Road								
<b>City:</b>	Armonk								
<b>State/Country:</b>	NEW YORK								
<b>Postal Code:</b>	10504								
<b>PROPERTY NUMBERS Total: 1</b>									
<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>11733033</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11733033				
Property Type	Number								
Application Number:	11733033								
<b>CORRESPONDENCE DATA</b>									
<b>Fax Number:</b>	(972)385-7766								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
<b>Phone:</b>	(972)385-8777								
<b>Email:</b>	bthompson@yeeiplaw.com								
<b>Correspondent Name:</b>	Duke W. Yee								
<b>Address Line 1:</b>	Yee & Associates, P.C.								
<b>Address Line 2:</b>	P.O. Box 802333								
<b>Address Line 4:</b>	Dallas, TEXAS 75380								
<b>ATTORNEY DOCKET NUMBER:</b>	YOR920060835US1								
<b>NAME OF SUBMITTER:</b>	Duke W. Yee								

Total Attachments: 6  
 source=11733033#page1.tif

**CH \$40.00 11733033**

source=11733033#page2.tif  
source=11733033#page3.tif  
source=11733033#page4.tif  
source=11733033#page5.tif  
source=11733033#page6.tif

A S S I G N M E N T

Whereas, we,

(1) Alexander Haubold of New York  
County of New York and State of New York

and

(2) Milind R. Naphade of Fishkill  
County of Dutchess and State of New York

and

(3) Apostol Ivanov Natsev of Harrison  
County of Westchester and State of New York

have invented certain improvements in

**Method and Apparatus for Query Expansion Based on Multimodal  
Cross-Vocabulary Mapping**

and executed, respectively, a United States patent application therefore on  
(Dates Inventors Signed Declaration) (1) 4/2/07,  
(2) \_\_\_\_\_, and (3) \_\_\_\_\_.

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

Now therefore, for a valuable consideration, receipt whereof is hereby  
acknowledged, we, the above named, hereby sell, assign, and transfer to  
IBM, its 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 we request the Commissioner of Patents to  
issue any Letters Patent granted upon the invention set forth in said  
application to IBM, its successors and assigns; and we hereby agree that IBM  
may apply for foreign Letters Patent on said invention and we will execute  
all papers necessary in connection with the United States and foreign  
applications when called upon to do so by IBM.

(1) Signed at New York, New York on 4/2/07  
city and state date

Alexander Haubold  
Alexander Haubold

IBM DOCKET NO. YOR920060835US1

and (2) Signed at \_\_\_\_\_ on \_\_\_\_\_  
city and state date

\_\_\_\_\_  
Milind R. Naphade

and (3) Signed at \_\_\_\_\_ on \_\_\_\_\_  
city and state date

\_\_\_\_\_  
Apostol Ivanov Natsev

A S S I G N M E N T

Whereas, we,

(1) Alexander Haubold of New York  
County of New York and State of New York

and

(2) Milind R. Naphade of Fishkill  
County of Dutchess and State of New York

and

(3) Apostol Ivanov Natsev of Harrison  
County of Westchester and State of New York

have invented certain improvements in

**Method and Apparatus for Query Expansion Based on Multimodal  
Cross-Vocabulary Mapping**

and executed, respectively, a United States patent application therefore on  
(Dates Inventors Signed Declaration) (1) \_\_\_\_\_

(2) *JA* 4/5/07, and (3) \_\_\_\_\_

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

Now therefore, for a valuable consideration, receipt whereof is hereby  
acknowledged, we, the above named, hereby sell, assign, and transfer to  
IBM, its 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 we request the Commissioner of Patents to  
issue any Letters Patent granted upon the invention set forth in said  
application to IBM, its successors and assigns; and we hereby agree that IBM  
may apply for foreign Letters Patent on said invention and we will execute  
all papers necessary in connection with the United States and foreign  
applications when called upon to do so by IBM.

(1) Signed at \_\_\_\_\_ on \_\_\_\_\_  
city and state date

\_\_\_\_\_  
Alexander Haubold

IRM DOCKET NO. Y01920060835061

and (2) signed at HAWTHORNE, NY on 4/5/87  
city and state date

[Signature]  
William E. Stephens

and (3) signed on \_\_\_\_\_ on \_\_\_\_\_  
city and state date

Special Inventor Notice

A S S I G N M E N T

Whereas, we,

(1) Alexander Haubold  
County of New York

of New York  
and State of New York

and

(2) Milind R. Naphade  
County of Dutchess

of Fishkill  
and State of New York

and

(3) Apostol Ivanov Natsev  
County of Westchester

of Harrison  
and State of New York

have invented certain improvements in

**Method and Apparatus for Query Expansion Based on Multimodal  
Cross-Vocabulary Mapping**

and executed, respectively, a United States patent application therefore on  
(Dates Inventors Signed Declaration) (1) \_\_\_\_\_

(2) \_\_\_\_\_, and (3) 4/03/07

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

Now therefore, for a valuable consideration, receipt whereof is hereby  
acknowledged, we, the above named, hereby sell, assign, and transfer to  
IBM, its 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 we request the Commissioner of Patents to  
issue any Letters Patent granted upon the invention set forth in said  
application to IBM, its successors and assigns; and we hereby agree that IBM  
may apply for foreign Letters Patent on said invention and we will execute  
all papers necessary in connection with the United States and foreign  
applications when called upon to do so by IBM.

(1) Signed at \_\_\_\_\_ on \_\_\_\_\_  
city and state date

\_\_\_\_\_  
Alexander Haubold

IBM DOCKET NO. YOR920060835US1

and (2) Signed at \_\_\_\_\_ on \_\_\_\_\_  
city and state date

\_\_\_\_\_  
Milind R. Naphade

and (3) Signed at Hawthorne, NY on 04/03/07  
city and state date

  
\_\_\_\_\_  
Apostol Ivanov Natsev