

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
EFFECTIVE DATE:	10/10/2007								
CONVEYING PARTY DATA									
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Ryan Kirk Cradick</td><td>10/09/2007</td></tr><tr><td>Zachary Adam Garbow</td><td>10/09/2007</td></tr><tr><td>Ryan Robert Pendergast</td><td>10/08/2007</td></tr></tbody></table>		Name	Execution Date	Ryan Kirk Cradick	10/09/2007	Zachary Adam Garbow	10/09/2007	Ryan Robert Pendergast	10/08/2007
Name	Execution Date								
Ryan Kirk Cradick	10/09/2007								
Zachary Adam Garbow	10/09/2007								
Ryan Robert Pendergast	10/08/2007								
RECEIVING PARTY DATA									
Name:	International Business Machines Corporation								
Street Address:	New Orchard Road								
City:	Armonk								
State/Country:	NEW YORK								
Postal Code:	10504								
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>11869816</td></tr></tbody></table>		Property Type	Number	Application Number:	11869816				
Property Type	Number								
Application Number:	11869816								
CORRESPONDENCE DATA									
Fax Number:	(507)253-2382								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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ATTORNEY DOCKET NUMBER:	ROC920070519US1								
NAME OF SUBMITTER:	Matthew C. Zehrer								
Total Attachments: 2									

CH \$40.00 11869816

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PATENT
REEL: 019938 FRAME: 0630

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ASSIGNMENT

Whereas, we

- | | | |
|-----|---|---|
| (1) | Ryan Kirk Cradick
County of Olmsted | City of Rochester,
and State of Minnesota, |
| (2) | Zachary Adam Garbow
County of Olmsted | City of Rochester,
and State of Minnesota, |
| (3) | Ryan Robert Pendergast
County of Olmsted | City of Rochester,
and State of Minnesota, |

have invented certain improvements in

GENERATING A USER-SPECIFIC SEARCH INDEX OF CONTENT WITHIN A VIRTUAL ENVIRONMENT

and have executed, respectively, a United States patent application therefor on

Dates Inventors

Signed

Declaration (1) October 9, 2007 (2) October 9, 2007
(3) October 8, 2007

And 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 therefor;

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 in all 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.

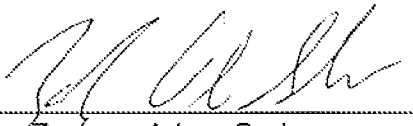
Signed

Inventor (1) at Rochester, Minnesota
on 10-09-2007, 2007.


Ryan Kirk Cradick

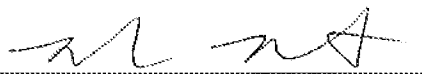
Inventor
Signature

Inventor (2) at Rochester, Minnesota
on 10-09, 2007.


Zachary Adam Garbow

Inventor
Signature

Inventor (3) at Rochester, Minnesota
on 10/8/07, 2007.


Ryan Robert Pendergast

Inventor
Signature