

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>Eric J. Horvitz</td> <td>08/05/2003</td> </tr> <tr> <td>David R. Azari</td> <td>08/07/2003</td> </tr> <tr> <td>Susan T. Dumais</td> <td>12/16/2003</td> </tr> <tr> <td>Eric D. Brill</td> <td>08/05/2003</td> </tr> </tbody> </table>		Name	Execution Date	Eric J. Horvitz	08/05/2003	David R. Azari	08/07/2003	Susan T. Dumais	12/16/2003	Eric D. Brill	08/05/2003
Name	Execution Date										
Eric J. Horvitz	08/05/2003										
David R. Azari	08/07/2003										
Susan T. Dumais	12/16/2003										
Eric D. Brill	08/05/2003										
RECEIVING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Microsoft Corporation</td> </tr> <tr> <td>Street Address:</td> <td>One Microsoft Way</td> </tr> <tr> <td>City:</td> <td>Redmond</td> </tr> <tr> <td>State/Country:</td> <td>WASHINGTON</td> </tr> <tr> <td>Postal Code:</td> <td>98052</td> </tr> </table>		Name:	Microsoft Corporation	Street Address:	One Microsoft Way	City:	Redmond	State/Country:	WASHINGTON	Postal Code:	98052
Name:	Microsoft Corporation										
Street Address:	One Microsoft Way										
City:	Redmond										
State/Country:	WASHINGTON										
Postal Code:	98052										
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>12417959</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12417959						
Property Type	Number										
Application Number:	12417959										
CORRESPONDENCE DATA											
<p>Fax Number: (216)696-8731</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 216-696-8730</p> <p>Email: jsexton@thepatentattorneys.com</p> <p>Correspondent Name: Himanshu S. Amin</p> <p>Address Line 1: 127 Public Square</p> <p>Address Line 2: 57th Floor, Key Tower</p> <p>Address Line 4: Cleveland, OHIO 44114</p>											
ATTORNEY DOCKET NUMBER:	MS303532.03/MSFTP481USB										
NAME OF SUBMITTER:	Himanshu S. Amin										

OP \$40.00 12417959

500826286

PATENT
REEL: 022501 FRAME: 0917

Total Attachments: 9

source=Assign#page1.tif

source=Assign#page2.tif

source=Assign#page3.tif

source=Assign#page4.tif

source=Assign#page5.tif

source=Assign#page6.tif

source=Assign#page7.tif

source=Assign#page8.tif

source=Assign#page9.tif

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number:

Filing Date:

Inventorship: Eric J. Horvitz, et al.

Applicant: Microsoft Corporation

Attorney's Docket No.: MSFTP481US

MS Docket No.: MS303532.1

Title: A COST-BENEFIT APPROACH TO AUTOMATICALLY
COMPOSING ANSWERS TO QUESTIONS BY EXTRACTING
INFORMATION FROM LARGE UNSTRUCTURED CORPORA

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Eric J. Horvitz
330 Waverly Way
Kirkland, Washington 98033

David R. Azari
2529 Yale Avenue, East, #202
Seattle, Washington 98102

Susan T. Dumais
6114 104th Avenue, NE
Kirkland, Washington 98033

Eric D. Brill
3042 172nd Court, NE
Redmond, Washington 98052

Assignee:

Microsoft Corporation
Corporation in the State of Washington
One Microsoft Way
Redmond, Washington 98052

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number:

Filing Date:

Inventorship:

Eric J. Horvitz, et al.

Applicant:

Microsoft Corporation

Attorney's Docket No.:

MSFIP481US

MS Docket No.:

MS303532.1

Title:

A COST-BENEFIT APPROACH TO AUTOMATICALLY
COMPOSING ANSWERS TO QUESTIONS BY EXTRACTING
INFORMATION FROM LARGE UNSTRUCTURED CORPORA

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "A COST-BENEFIT APPROACH TO AUTOMATICALLY COMPOSING ANSWERS TO QUESTIONS BY EXTRACTING INFORMATION FROM LARGE UNSTRUCTURED CORPORA" as described and claimed in the specification forming part of an application for United States letters patent referenced above;

WHEREAS, Microsoft Corporation (hereinafter referred to as ASSIGNEE), a corporation of the State of Washington having a place of business at One Microsoft Way, Redmond, WA 98052, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefore in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number:

Filing Date:

Inventorship:

Eric J. Horvitz, et al.

Applicant:

Microsoft Corporation

Attorney's Docket No.:

MSFTP481US

MS Docket No.:

MS303532.1

Title:

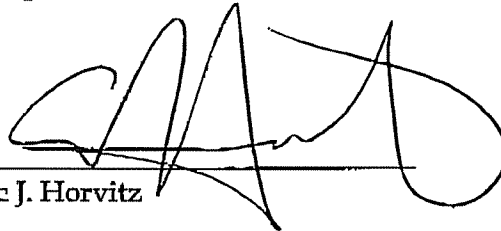
A COST-BENEFIT APPROACH TO AUTOMATICALLY
COMPOSING ANSWERS TO QUESTIONS BY EXTRACTING
INFORMATION FROM LARGE UNSTRUCTURED CORPORA

assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefore.

Date

August 5, 2003

Eric J. Horvitz



Date

David R. Azari

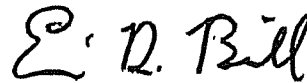
Date

Susan T. Dumais

Date

August 5, 2003

Eric D. Brill



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number:

Filing Date:

Inventorship: Eric J. Horvitz, et al.

Applicant: Microsoft Corporation

Attorney's Docket No.: MSFTP481US

MS Docket No.: MS303532.1

Title: A COST-BENEFIT APPROACH TO AUTOMATICALLY
COMPOSING ANSWERS TO QUESTIONS BY EXTRACTING
INFORMATION FROM LARGE UNSTRUCTURED CORPORA

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Eric J. Horvitz
330 Waverly Way
Kirkland, Washington 98033

David R. Azari
2529 Yale Avenue, East, #202
Seattle, Washington 98102

Susan T. Dumais
6114 104th Avenue, NE
Kirkland, Washington 98033

Eric D. Brill
3042 172nd Court, NE
Redmond, Washington 98052

Assignee:

Microsoft Corporation
Corporation in the State of Washington
One Microsoft Way
Redmond, Washington 98052

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number:

Filing Date:

Inventorship:

Eric J. Horvitz, et al.

Applicant:

Microsoft Corporation

Attorney's Docket No.: MSFTP481US

MS Docket No.: MS303532.1

Title:

A COST-BENEFIT APPROACH TO AUTOMATICALLY
COMPOSING ANSWERS TO QUESTIONS BY EXTRACTING
INFORMATION FROM LARGE UNSTRUCTURED CORPORA

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "A COST-BENEFIT APPROACH TO AUTOMATICALLY COMPOSING ANSWERS TO QUESTIONS BY EXTRACTING INFORMATION FROM LARGE UNSTRUCTURED CORPORA" as described and claimed in the specification forming part of an application for United States letters patent referenced above;

WHEREAS, Microsoft Corporation (hereinafter referred to as ASSIGNEE), a corporation of the State of Washington having a place of business at One Microsoft Way, Redmond, WA 98052, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefore in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number:

Filing Date:

Inventorship:

Eric J. Horvitz, et al.

Applicant:

Microsoft Corporation

Attorney's Docket No.: MSFTP481US

MS Docket No.: MS303532.1

Title:

A COST-BENEFIT APPROACH TO AUTOMATICALLY
COMPOSING ANSWERS TO QUESTIONS BY EXTRACTING
INFORMATION FROM LARGE UNSTRUCTURED CORPORA

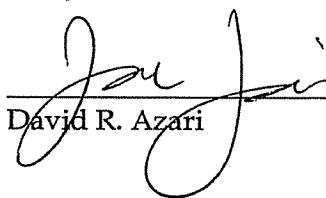
assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefore.

Date

8-7-03

Date

Eric J. Horvitz



David R. Azari

Date

Susan T. Dumais

Date

Eric D. Brill

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number: 10/635,274
Filing Date: August 6, 2003
Inventorship: Eric J. Horvitz, et al.
Applicant: Microsoft Corporation
Attorney's Docket No.: MSFTP481US
MS Docket No.: MS303532.1
Title: A COST-BENEFIT APPROACH TO AUTOMATICALLY
COMPOSING ANSWERS TO QUESTIONS BY EXTRACTING
INFORMATION FROM LARGE UNSTRUCTURED CORPORA

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Eric J. Horvitz
330 Waverly Way
Kirkland, Washington 98033

David R. Azari
2529 Yale Avenue, East, #202
Seattle, Washington 98102

Susan T. Dumais
6114 104th Avenue, NE
Kirkland, Washington 98033

Eric D. Brill
3042 172nd Court, NE
Redmond, Washington 98052

Assignee:

Microsoft Corporation
Corporation in the State of Washington
One Microsoft Way
Redmond, Washington 98052

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number: 10/635,274
Filing Date: August 6, 2003
Inventorship: Eric J. Horvitz, et al.
Applicant: Microsoft Corporation
Attorney's Docket No.: MSFTP481US
MS Docket No.: MS303532.1
Title: A COST-BENEFIT APPROACH TO AUTOMATICALLY
COMPOSING ANSWERS TO QUESTIONS BY EXTRACTING
INFORMATION FROM LARGE UNSTRUCTURED CORPORA

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "A COST-BENEFIT APPROACH TO AUTOMATICALLY COMPOSING ANSWERS TO QUESTIONS BY EXTRACTING INFORMATION FROM LARGE UNSTRUCTURED CORPORA" as described and claimed in the specification forming part of an application for United States letters patent referenced above;

WHEREAS, Microsoft Corporation (hereinafter referred to as ASSIGNEE), a corporation of the State of Washington having a place of business at One Microsoft Way, Redmond, WA 98052, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefore in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number: 10/635,274
Filing Date: August 6, 2003
Inventorship: Eric J. Horvitz, et al.
Applicant: Microsoft Corporation
Attorney's Docket No.: MSFTP481US
MS Docket No.: MS303532.1
Title: A COST-BENEFIT APPROACH TO AUTOMATICALLY
COMPOSING ANSWERS TO QUESTIONS BY EXTRACTING
INFORMATION FROM LARGE UNSTRUCTURED CORPORA

assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefore.

Date

Eric J. Horvitz

Date

David R. Azari

Dec. 16, 2003

Date

Susan T. Dumais

Susan T. Dumais

Date

Eric D. Brill