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| SUBMISSION TYPE | E: | NEW ASSIGNMENT | | | |
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| NATURE OF CONV | 'EYANCE: | ASSIGNMENT | | | |
| CONVEYING PART | Y DATA | | | | |
| Name | | | Execution Date | | |
| Allan Folting | | | 09/22/2011 | | |
| Stephen Van de Walker Handy | | | 09/28/2011 | | |
| Diego M. Oppenheimer | | | 09/22/2011 | | |
| Anatoly V. Grabar | | | 09/22/2011 | | |
| Amit A. Velingkar | | | 09/22/2011 | | |
| RECEIVING PARTY | (DATA | | | | |
| Name: | Microsoft Cor | Microsoft Corporation | | | |
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| State/Country: | WASHINGTO | WASHINGTON | | | |
| Postal Code: | 98052 | | | | |
| PROPERTY NUMBERS Total: 1 Property Type | | Number | | | |
| Application Numbe | r: | : 13252412 | | | |
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| CORRESPONDEN | CE DATA | | | | |
| CORRESPONDEN | CE DATA (612)336 | 3-4776 | | | |
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| Fax Number: Phone: Email: | (612)336 (612)336 rkalinsky | 6-4771 y@merchantgould.com | | | |
| Fax Number: Phone: Email: | (612)336 (612)336 rkalinsky | 6-4771 | ıl, it will be sent | | |
| Fax Number: Phone: Email: <i>Correspondence wivia US Mail.</i> Correspondent Nan | (612)336 (612)336 rkalinsky <i>ill be sent to the e</i> ne: Robert A | 6-4771 y@merchantgould.com e- <i>mail address first; if that is unsuccessfu</i> A. Kalinsky | ıl, it will be sent | | |
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| Fax Number: Phone: Email: <i>Correspondence wirvia US Mail.</i> Correspondent Nan Address Line 1: Address Line 2: | (612)336 (612)336 rkalinsky <i>ill be sent to the e</i> ne: Robert A 80 S. 8th 3200 ID | 6-4771 y@merchantgould.com <i>e-mail address first; if that is unsuccessfu</i> A. Kalinsky h St. S Center | ıl, it will be sent | | |
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Total Attachments: 4

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WE, Allan Folting, Stephen Van de Walker Handy, Diego M. Oppenheimer, Anatoly V. Grabar, and Amit A. Velingkar ("ASSIGNORS"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Automatic Scoping of Data Entities" ("APPLICATION"), which:

- Will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052, who are associated with customer number 27488, to insert here in parenthesis (Application No. 13/252,412 , filed October 4, 2011) this APPLICATION's Application No. and filing date, when known;
- □ was filed on ______ and was given Application No. _____;
- □ is filed concurrently herewith;

Microsoft Corporation, a Washington Corporation, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

. . . .

ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

| AT B | 9/22/2011 |
|-------------------------|---|
| Inventor's Signature | Date |
| Allan Folting | |
| Printed Name in English | Printed Name in Native Language (if other than English) |

| Inventor's Signature | Date |
|-----------------------------|---|
| Stephen Van de Walker Handy | |
| Printed Name in English | Printed Name in Native Language (if other than English) |

Page 2 of 3

ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

| Inventor's Signature | Date |
|--|---|
| Allan Folting Printed Name in English | Printed Name in Native Language (if other than English) |

Date Inventor's Signature Stephen Van de Walker Handy Printed Name in English Printed Name in Native Language (if other than English)

M&G/MS Docket No.: 14917.1922US01/333789.01

PATENT ASSIGNMENT

122/11 Date Inventor's Signatur Diego M. Oppenheimer Printed Name in Native Language (if Printed Name in English other than English) 9/22/2011 Date AHamonun Tpasap6 Inventor's Signature Anatoly V. Grabar Printed Name in Native Language (if Printed Name in English other than English) 9/22/2011

Inventor's Signature

Date

Amit A Velingkar Printed Name in English

Printed Name in Native Language (if other than English)

RECORDED: 10/04/2011