PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| Erik Meijer | 12/05/2007 |
| Jeffrey Van Gogh | 12/05/2007 |

RECEIVING PARTY DATA

| Name: | Microsoft Corporation |
|-----------------|-----------------------|
| Street Address: | One Microsoft Way |
| City: | Redmond |
| State/Country: | WASHINGTON |
| Postal Code: | 98052 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 11950945 |

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: MS 321103.01

NAME OF SUBMITTER: Steven Spellman

Total Attachments: 2

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PATENT REEL: 020219 FRAME: 0508 1195034

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PATENT ASSIGNMENT

| I/WE, Erik Meijer and Jeffrey van Gogh ("ASSIGNOR"), have invented subject |
|--|
| matter ("INVENTION") disclosed and/or claimed in a patent application entitled |
| "REPRESENTING POINTERS AND BOXING IN ENVIRONMENTS USING ONLY REFERENCE |
| TYPES" ("APPLICATION"), which: |

| \boxtimes | 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 69316, to insert here in parenthesis (Application No. $\frac{11/950.945}{11/950.945}$, filed $\frac{12/05/2007}{11/950.945}$) this APPLICATION's Application No. and filing |
| | date, when known; |
| | was filed on and was given Application No; |
| | is filed concurrently herewith; |
| Mi | crosoft Corporation, a Washington Corporation, on behalf of itself and |
| | and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring the |

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).

<u>December 5, 2007</u> Date

Erik Meijer

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MS Docket No. 321103.01

December 5, 2007

Date

Jeffrey van Gogh

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