

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | |
|---|----------------------------------|----------------|---------------------|------------|--------------|------------|--|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | |
| CONVEYING PARTY DATA | | | | | | | |
| <table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Per-Ake Larson</td><td>01/30/2006</td></tr><tr><td>Jingren Zhou</td><td>01/30/2006</td></tr></tbody></table> | Name | Execution Date | Per-Ake Larson | 01/30/2006 | Jingren Zhou | 01/30/2006 | |
| Name | Execution Date | | | | | | |
| Per-Ake Larson | 01/30/2006 | | | | | | |
| Jingren Zhou | 01/30/2006 | | | | | | |
| RECEIVING PARTY DATA | | | | | | | |
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| Postal Code: | 98052 | | | | | | |
| 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>11354375</td></tr></tbody></table> | Property Type | Number | Application Number: | 11354375 | | | |
| Property Type | Number | | | | | | |
| Application Number: | 11354375 | | | | | | |
| CORRESPONDENCE DATA | | | | | | | |
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| Total Attachments: 1 source=MS315556.01 Assignment#page1.tif | | | | | | | |

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PATENT ASSIGNMENT

WE, PER-AKE LARSON and JINGREN ZHOU ("ASSIGNORS"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "MAINTENANCE OF MATERIALIZED OUTER-JOIN VIEWS" ("APPLICATION"), which:


- ☒ will be filed without this executed PATENT ASSIGNMENT. ASSIGNORS hereby authorize, and request, ASSIGNEE'S legal representatives, of Amin and Turocy, LLP, 1900 E. 9th Street, Cleveland, Ohio 44114, who are associated with customer number 27195, to insert here in parenthesis (U.S. Serial No. 11/354,375, filed 2-15-06) this APPLICATION's U.S. Serial Number and filing date, when known;
- ☐ was filed on and was given U.S. Serial 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 ASSIGNORS, the ASSIGNORS hereby sell, assign and transfer to the ASSIGNEE, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

ASSIGNORS agree 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).

01/30/2006
DATE


PER-AKE LARSON

01/30/2006
DATE


JINGREN ZHOU