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Conveying Party(ies)

1. Frank David McSherry
- 2.
- 3.
- 4.
- 5.
- 6.

Execution Date(s)

07/30/2004

☐ Mark if Additional Names of Conveying Parties Attached

Receiving Party

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Name

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State/Country

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Zip Code

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 Attorney Docket No. 226944

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Patent Application Numbers

Patent Numbers

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

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Patent Cooperation Treaty (PCT)

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Fee Amount for Properties Listed (37 CFR 3.41): \$40.00

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Vladan M. Vasiljevic

Name of Person Signing

Signature

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PATENT
 REEL: 015649 FRAME: 0684

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventorship.....Frank David Mc Sherry
Applicant.....Microsoft Corporation
Attorney Docket No.226944
MS Docket No.307225.01
Title: EFFICIENTLY RANKING WEB PAGES VIA MATRIX INDEX MANIPULATION AND
IMPROVED CACHING

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Frank David Mc Sherry
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San Francisco, California 94117

Assignee:

Microsoft Corporation
Corporation in the State of Washington
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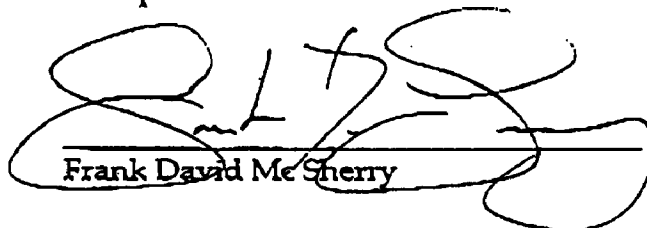
AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "EFFICIENTLY RANKING WEB PAGES VIA MATRIX INDEX MANIPULATION AND IMPROVED CACHING," 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 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 therefor.

July 30, 2004
Date


Frank David McSherry