

MSFT-3501

PATENTS ONLY

To The Honorable Commissioner of Patents and Trademarks Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

RAVIPAL S. SOIN February 17, 2004
 First Assignor Date of Execution

WILLIAM MAK February 17, 2004
 Second Assignor Date of Execution

ANDREW J. FULLER February 16, 2004
 Third Assignor Date of Execution

TODD R. MANION February 12, 2004
 Fourth Assignor Date of Execution

RONALD O. ZINK February 9, 2004
 Fifth Assignor Date of Execution

Additional name(s) of conveying party(ies) attached? YES NO

2. Name and address of receiving party(ies).

Name: Microsoft Corporation
 Street Address: One Microsoft Way
 City: Redmond
 State: Washington ZIP: 98052

Additional name(s) & address attached? YES NO

3. Nature of Conveyance (check only one):

New Assignment Merger
 License Agreement Security Agreement
 Change of Name Other:

4. Identification of Application number(s), patent number(s) OR date of execution of application to which assignment refers:

Application Nos. 10/786,313	Patent Nos :	Date application was signed by the first named executing inventor (Fill-in this date only if assignment is filed together with a new application)
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5. Name and address of party to whom correspondence concerning documents should be mailed:

Name: Thomas E. Watson
 WOODCOCK WASHBURN LLP
 One Liberty Place - 46th Floor
 Philadelphia, Pennsylvania 19103-7301
 215-568-3100

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41). \$40.00
 Enclosed
 Authorized to be charged to Deposit Account Number 23-3050

8. Please charge any deficiency or credit any overpayment to Deposit Account Number 23-3050

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9. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Louise H Ochroch Louise H. Ochroch July 12, 2004
 Name of Person Signing/Reg No. Signature Date

Total number of pages including cover sheet, assignment document and additional pages attached thereto. 6

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

CFH \$40.00 233050 10786313

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventorship..... Ravipal Soin et al.
Applicant..... Microsoft Corporation
Attorney's Docket No. MSFT-3501
Title: Systems and Methods for Projecting Content from Computing Devices

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Ravipal S. Soin
818 233rd Place NE
Sammamush, Washington 98074

William Mak
1105 Spring Street, Apt. 1211
Seattle, Washington 98104

Andrew J. Fuller
75116 230th Ave. NE
Redmond, Washington 98052

Todd R. Manion
9704 158th Place NE
Redmond, Washington 98052

Ronald O. Zink
7435 SE 71st Street
Mercer Island, Washington 98040

Assignee:

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

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled 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 therefor 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~~ 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.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventorship Ravipal Soin et al.
Applicant Microsoft Corporation
Attorney's Docket No. MSFT-3501
Title: Systems and Methods for Projecting Content from Computing Devices

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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.

Date

Ravipal S. Soin

Date

William Mak

Date

Andrew J. Fuller

Date

Todd R. Marion

2/9/04
Date

R.O. Zink
Ronald O. Zink