

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT										
NATURE OF CONVEYANCE:	Corrective Assignment to correct the 3rd Assignor's name previously recorded on Reel 013956 Frame 0925. Assignor(s) hereby confirms the Corrective Assignment.										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Cristian Petculescu</td><td>03/28/2003</td></tr><tr><td>Amir Netz</td><td>03/28/2003</td></tr><tr><td>Thomas P. Conlon</td><td>03/28/2003</td></tr></tbody></table>		Name	Execution Date	Cristian Petculescu	03/28/2003	Amir Netz	03/28/2003	Thomas P. Conlon	03/28/2003		
Name	Execution Date										
Cristian Petculescu	03/28/2003										
Amir Netz	03/28/2003										
Thomas P. Conlon	03/28/2003										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Microsoft Corporation</td></tr><tr><td>Street Address:</td><td>One Microsoft Way</td></tr><tr><td>City:</td><td>Redmond</td></tr><tr><td>State/Country:</td><td>WASHINGTON</td></tr><tr><td>Postal Code:</td><td>98052</td></tr></table>		Name:	Microsoft Corporation	Street Address:	One Microsoft Way	City:	Redmond	State/Country:	WASHINGTON	Postal Code:	98052
Name:	Microsoft Corporation										
Street Address:	One Microsoft Way										
City:	Redmond										
State/Country:	WASHINGTON										
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>10402000</td></tr></tbody></table>		Property Type	Number	Application Number:	10402000						
Property Type	Number										
Application Number:	10402000										
CORRESPONDENCE DATA											
Fax Number: (216)696-8731 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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ATTORNEY DOCKET NUMBER:	MS302206.01/MSFTP410US										
NAME OF SUBMITTER:	Himanshu S. Amin										

OP \$40.00 10402000

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PATENT
REEL: 017418 FRAME: 0825

Total Attachments: 6

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PATENT

REEL: 017418 FRAME: 0826



SEPTEMBER 11, 2003

PTAS

Under Secretary of Commerce For Intellectual Property and
Director of the United States Patent and Trademark Office
Washington, DC 20231
www.uspto.gov

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1900 E. 9TH STREET
CLEVELAND, OH 44114



102422270A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/28/2003

REEL/FRAME: 013956/0925
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

PETCULESCU, CRISTIAN

DOC DATE: 03/28/2003

ASSIGNOR:

NETZ, AMIR

DOC DATE: 03/28/2003

ASSIGNOR:

CONLON, TOM

DOC DATE: 03/28/2003

ASSIGNEE:

MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WASHINGTON 98052

SERIAL NUMBER: 10402000

PATENT NUMBER:

FILING DATE: 03/28/2003

ISSUE DATE:

05/28/2003

PATENT
REEL: 017418 FRAME: 0827

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THERESA FREDERICK, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

09-30-2003

OMB No. 0651-011 (exp.4/94)

3-28-03

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To the Honorable Commissioner of Patents and Trademarks

documents or copy thereof.

1. Name of conveying party(ies):

Cristian Petculescu
Amir Netz
Tom ConlonAdditional name(s) of conveying
party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: 3/28/03

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

Name: Microsoft Corporation

Internal Address: _____

Street Address: One Microsoft Way

City: Redmond

State/Country: Washington ZIP: 98052

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: 3/28/03

A. Patent Application No.(s)

10,402,000

B. Patent No.(s)

Additional Numbers attached? ☐ Yes ☒ No5. Name and address of party to whom
correspondence concerning document
should be mailed:

Name: Himanshu S. Amin

Internal Address: _____

Amin & Turocy, LLP

Street Address: 24th Floor, National City Center

1900 E. 9th Street

City: Cleveland

State: Ohio ZIP: 44114

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

8. Deposit account number:

50-1063

(Attach duplicate copy of this page if paying by deposit account)

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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.

Jeffrey D. Hale

Name of Person Signing

Signature

March 28, 2003

Date

Reg. No. 40,012 Total number of pages including cover sheet attachments, and document: [4]

04/16/2003 ECD/PER 00000323 501063 10402000 Its to be recorded with required cover sheet information to:

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Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231PATENT
REEL: 017418 FRAME: 0829

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number:

Filing Date:

Inventorship: Cristian Petculescu, et al.

Applicant: Microsoft Corporation

Attorney's Docket No.: MSFTP410US

MS Docket No.: MS302206.1

Title: **SYSTEMS AND METHODS FOR PROACTIVE CACHING
UTILIZING OLAP VARIANTS**

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Cristian Petculescu
8500 148th Avenue NE
Apt. P, #2048
Redmond, Washington 98052

Amir Netz
4265 137th Avenue NE
Bellevue, Washington 98005

Thomas P. Conlon
10615 210th Avenue NE
Redmond, Washington 98053

Assignee:

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

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "SYSTEMS AND METHODS FOR PROACTIVE CACHING UTILIZING OLAP VARIANTS" as described and claimed in the specification forming part of an application for United States letters patent referenced above;

Serial Number:

Filing Date:

Inventorship: Cristian Petculescu, et al.

Applicant: Microsoft Corporation

Attorney's Docket No.: MSFTP410US

MS Docket No.: MS302206.1

Title: **SYSTEMS AND METHODS FOR PROACTIVE CACHING
UTILIZING OLAP VARIANTS**

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number:

Filing Date:

Inventorship:

Cristian Petculescu, et al.

Applicant:

Microsoft Corporation

Attorney's Docket No.: MSFTP410US

MS Docket No.: MS302206.1

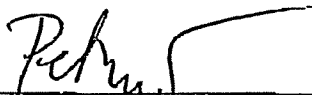
Title:

SYSTEMS AND METHODS FOR PROACTIVE CACHING
UTILIZING OLAP VARIANTS

patent on said invention, for litigation regarding said letters patent, or for the purpose of
protecting title to said invention or letters patent therefore:--


3/28/2003

Date


Cristian Petculescu

3/28/2003

Date


Amir Netz

3/28/2003

Date


Thomas P. Conlon