

Atty Ref/Docket No.: 777.323US1



101264743

To the Honorable Commissioner of Patents and Trademarks: Please record the \_\_\_\_\_  
hereof.

1. Name of conveying party(ies):

Cristian Petculescu, Alexander Berger, Amir Netz and  
Mosha Pasumansky

Additional name(s) of conveying party(ies) attached? [ ]Yes [X]No

3. Nature of conveyance:

- Assignment                       Merger
- Security Agreement             Change of Name
- Other \_\_\_\_\_

Execution Date: January 10, 2000, January 10, 2000, January 10, 2000,  
January 10, 2000

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

Name: Microsoft Corporation

Street Address: One Microsoft Way

City: Redmond State: WA

Additional name(s) & address(es) attached? [ ]Yes [X]No

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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: \_\_\_\_\_

- A. Patent Application No.(s)
- B. Patent No.(s)

Serial No. 09/419,437, filed October 15, 1999

Additional numbers attached? [ ]Yes [X]No

5. Name and address of party to whom correspondence  
concerning document should be mailed:

Name: Bradley A. Forrest

Address: Schwegman, Lundberg, Woessner & Kluth, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402

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. Please charge any additional fees or credit any overpayments to our  
Deposit account number: 19-0743

02/10/2000 DCOATED 00000030 09/419437  
01 FC:581

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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.

Bradley A. Forrest/Reg. No. 30,837  
Name of Person Signing

Bradley A. Forrest  
Signature

1-12-2000  
Date

Total number of pages including cover sheet: 5

OMB No. 0651-0011 (exp. 4/94)

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## ASSIGNMENT

WHEREAS, WE, Cristian Petculescu, residing at 8500 148th NE, Apt. P2048, Redmond, WA 98052, and Alexander Berger, residing at 4121 211th Pl NE, Redmond, WA 98053, and Amir Netz, residing at 16607 NE 32nd St., Bellevue, WA 98008, and Mosha Pasumansky, residing at 256 169th NE Avenue, Bellevue, WA 98008, made certain new and useful inventions and improvements for which We filed an application for Letters Patent of the United States on October 15, 1999, which application was assigned U.S. patent application serial number 09/419,437, and is entitled ADAPTIVE DATABASE CACHING AND DATA RETRIEVAL MECHANISM.

AND WHEREAS, Microsoft Corporation, a corporation organized and existing under and by virtue of the laws of the State of Washington, and having an office and place of business at One Microsoft Way, Redmond, WA 98052, (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me/us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 10 day of January <sup>2000</sup> ~~1999~~.

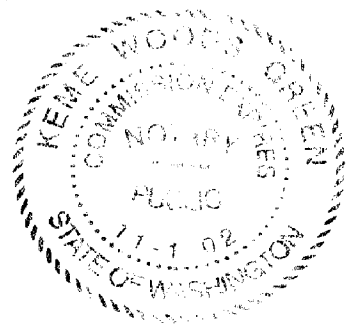
Petru  
Cristian Petculescu

STATE OF Washington  
COUNTY OF King, )ss.

On this 10 day of January <sup>2000</sup> ~~1999~~ before me personally appeared Cristian Petculescu

to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]



Keme Woods Green  
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 10 day of January <sup>2000</sup> 1999.

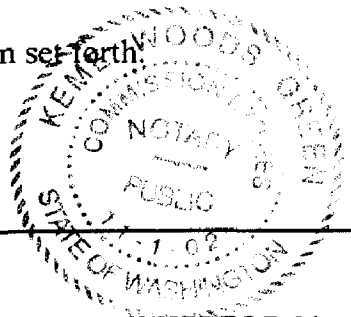
Alexander Berger  
Alexander Berger

STATE OF Washington  
COUNTY OF King)  
)ss.

On this 10 day of January, <sup>2000</sup> 1999 before me personally appeared Alexander Berger

to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]



Keme Woods Green  
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 10 day of 1, <sup>2000</sup> 1999.

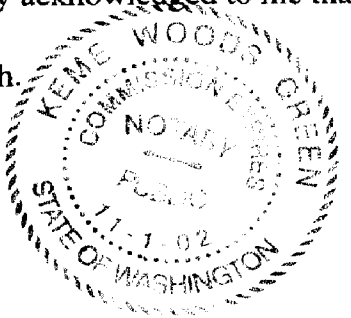
Amir Netz  
Amir Netz

STATE OF Washington  
COUNTY OF King)  
)ss.

On this 10 day of January, <sup>2000</sup> 1999 before me personally appeared Amir Netz to me

known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]



Keme Woods Green  
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 10 day of January, <sup>2000</sup>1999.

[Signature]

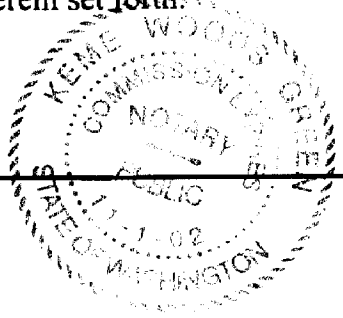
Mosha Pasumansky

STATE OF Washington  
COUNTY OF King )ss.

On this 10 day of January, <sup>2000</sup>1999 before me personally appeared Mosha Pasumansky

to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]



[Signature]

Notary Public