

7-1349

07-15-1999

To The Honorable Commissioner of Patents and Trademarks
thereof.



the attached original documents or copy

101091608

1. Name of conveying party(ies):

- [1] Attila Narin
- [2] Donald J. Clore
- [3] Keith A. Kegley

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

3. Nature of Conveyance:

- (X) Assignment () Merger
- () Security Agreement
- () Change of Name
- () Other:

Execution Date: [1] [2] [3]: APRIL 29, 1999

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

Name: MICROSOFT CORPORATION
Internal Address: One Microsoft Way
Redmond, Washington 98052

Street Address: SAME AS ABOVE

City

State ZIP

Additional name(s) & address attached? () YES (X) 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:

A. Patent Application No. (s) 09/305,566

B. Patent No.(s)

Additional numbers attached? () YES (X) NO

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

Name: STEVEN J. ROCCI
Internal Address: WOODCOCK WASHBURN KURTZ
MACKIEWICZ & NORRIS LLP
One Liberty Place - 46th Floor
Philadelphia, Pennsylvania 19103-7301

Street Address: WOODCOCK WASHBURN KURTZ
MACKIEWICZ & NORRIS LLP
One Liberty Place - 46th Floor
1650 Market Street
Philadelphia, Pennsylvania 19103-7301

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$40.00

- (X) 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

DO NOT USE THIS SPACE

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.

Steven J. Rocci/30,489

Name of Person Signing/Reg. No.

Signature

July 9, 1999

Date

Total number of pages including cover sheet, attachments, and document: 3

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

07/14/1999 MTHAI1 00000353 09305566

01 FC:581

40.00 OP

Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

ASSIGNMENT

WHEREAS, we, Attila Narin, Donald J. Clore, and Keith A. Kegley (hereinafter referred to as ASSIGNORS), having post office addresses of 12221 131st Lane NE, Apt. G-401, Kirkland, Washington 98034; 3971 Phinney Avenue N., Seattle, Washington 98034; and 80 Vine Street, Unit 401, Seattle, Washington 98121, respectively, are the joint inventors of an invention entitled AMETHODS FOR MANAGING THE DISTRIBUTION OF CLIENT BITS TO CLIENT COMPUTERS,@ as described and claimed in the specification forming part of an application for United States letter patent executed herewith;

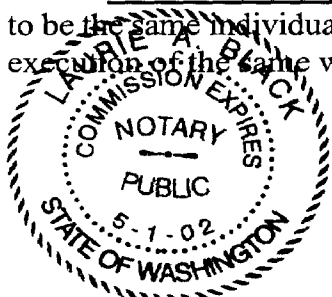
WHEREAS, Microsoft Corporation (hereinafter referred to as ASSIGNEE), a corporation of the State of Washington having a place of business at One Microsoft Way, Redmond, WA 98052, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that 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, ASSIGNORS hereby sell, assign and transfer unto said 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 ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS 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 purposes of protecting title to said invention or letters patent therefor.

[Signature] (L.S.)
Attila Narin

Washington :
: SS
COUNTY OF King :

On this 29th day of April, 1999, before me personally came the above named Attila Narin to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

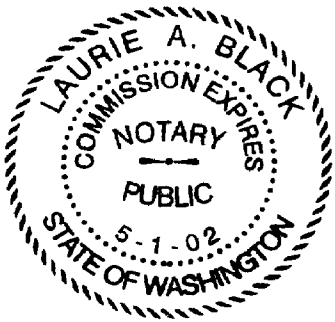


Laurie A Black
Notary Public

Donald J. Clore (L.S.)
Donald J. Clore

Washington :
: SS
COUNTY OF King :

On this 29th day of April, 1999, before me personally came the above named Donald J. Clore to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

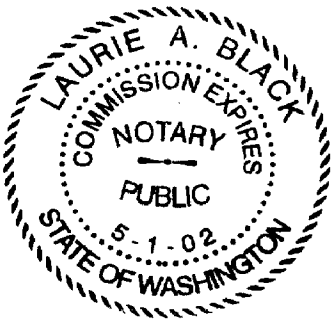


Laurie A Black
Notary Public

Keith A. Kegley (L.S.)
Keith A. Kegley

Washington :
: SS
COUNTY OF King :

On this 29th day of April, 1999, before me personally came the above named Keith A. Kegley to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.



Laurie A Black
Notary Public