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Tab settings

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

1. Name of conveying party(ies):

D Maxwell Chickering

Additional names(s) of conveying party(ies) Yes No

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

Name: Microsoft Corp

Address: One Microsoft Way

City: Redmond

State/Prov.: WA

Country: USA

ZIP: 98052-6399

Additional name(s) & address(es) Yes No

JD618 U.S. PTO
09/298600
04/23/99

3. Nature of conveyance:

Assignment

Merger

Security Agreement

Change of Name

Other

Execution Date: _____

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: _____

Patent Application No.

Filing date

B. Patent No.(s)

Additional numbers Yes No

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

Name: Michael A Dryja

Registration No. 39,662

Address: Law Offices of Michael Dryja

1400-F Highway 101 North

Suite #223

City: Plymouth

State/Prov.: MN

Country: USA

ZIP: 55447

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ 40 00

Enclosed - Any excess or insufficiency should be credited or debited to deposit account

Authorized to be charged to deposit account

8. Deposit account number:

500463

05/07/1999 DMSUYEN 00000023 500463 09298600

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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.

MICHAEL DRYJA

4-23-99

Name of Person Signing

Signature

Date

2

Total number of pages including cover sheet, attachments, and

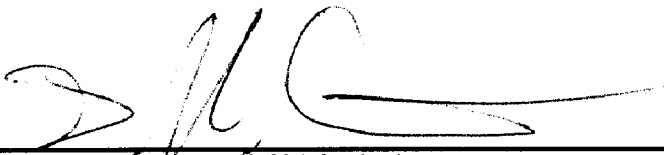
ASSIGNMENT

WHEREAS, I, D. Maxwell Chickering, (hereinafter referred to as ASSIGNOR), having the post office address of 7573 Old Redmond Road #12, Redmond, WA 98052, am the inventor of an invention entitled "Fast Clustering with Sparse Data," as described and claimed in the specification forming part of an application for United States letters 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, ASSIGNOR hereby sells, assigns and transfers 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 division, 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 had this assignment, transfer and sale not been made. ASSIGNOR hereby authorizes and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR agrees 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.

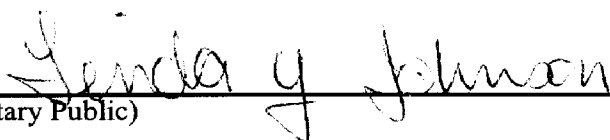
Executed this 20 day of April, in the year 1999.



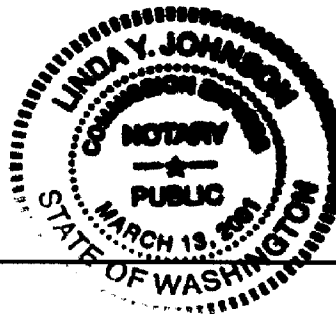
(signature of D. Maxwell Chickering)

Before me personally appeared D. Maxwell Chickering, who acknowledge the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same,

20th day of April, in the year 1999.



(Notary Public)



PATENT

RECORDED: 04/23/1999

REEL: 9927 FRAME: 0218