

09-23-2004

PAT



Attorney Docket No.
M61.12-0714

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(1) Li Deng

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2. Name and address of receiving party(ies):
Name: Microsoft Corporation
Internal Address: _____
Street Address: One Microsoft Way
City Redmond State WA ZIP 98052

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22890 U.S. PTO
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3. Nature of Conveyance:

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4A. Application No. (s)

If this document is being filed together with a new application, the execution date(s) of the application is: 09/09/04

Additional numbers attached? [] Yes [X] No

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

Name: Theodore M. Magee
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6. Total number of applications and patents involved: [1]

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

8. Method of Payment
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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.

Theodore M. Magee
Name of Person Signing

Theodore M. Magee
Signature

9-13-04
Date

Total number of pages submitted: [3]

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Filing Date.....Herewith
Inventorship..... Li Deng et al.
Applicant.....Microsoft Corporation
Attorney's Docket No. M61.12-0714
MS Docket No.:.....309236.01
Title: EFFICIENT BACKWARD RECURSION FOR COMPUTING POSTERIOR PROBABILITIES

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Li Deng
22310 NE 30th Street
Sammamish, WA 98074

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
"EFFICIENT BACKWARD RECURSION FOR COMPUTING POSTERIOR PROBABILITIES," for
which:

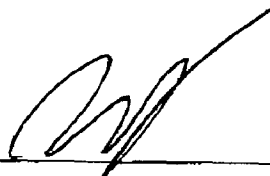
- a provisional application for United States Letters Patent was filed on and was given
U.S. Serial No. and/or
a non-provisional application for United States Letters Patent was executed on the
same respective date(s) herewith and filed concurrently herewith.

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

9/9/04
Date


Li Deng