FORM PTO-1595 (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94) M&G-50037.0216US01



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If this document is being filed together with a new application, the	e execution date of the application is:
A. D. (A. 1' A' N. ()	D D (4NI ()
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10/749,938	
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Additional numbers attach	
5. Name and address of party to whom correspondence concerning	6. Total number of applications and patents involved:
document should be mailed:	7. Total fee (37 CFR 3.41): \$40
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27488
PATENT TRADEMARK OFFICE

PATENT REEL: 015448 FRAME: 0245

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

10/749,938
12/31/2003
Michael Swafford et al.
Microsoft Corporation
50037.0216US01
303757.01

Title: DYNAMIC MEMORY HEAP TAGGING

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Michael Swafford 2470 130th Avenue SE Bellevue, WA 98005

Kevin Charles Chase 9301 Avondale Rd. N.E., Apt C-1012 Redmond, WA 98052

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 "DYNAMIC MEMORY HEAP TAGGING," as described and claimed in the specification forming part of an application for United States letters patent referenced above;

PATENT REEL: 015448 FRAME: 0246

Attorney Docket No. 50037.0216US01 MS Docket No. 303757.01 Serial No. 10/749,938

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.

6/4/2004

RECORDED: 06/09/2004

PATENT

REEL: 015448 FRAME: 0247