

PATENT

12-06-2002



Attorney Docket No. M61.12-0444

To the Honorable attached original

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Patent and Trademark Office: Please record the

1. Name of conveying party(ies): (1) James G. Droppo (2) Alejandro Acero (3) Constantinos Boulis Additional name(s) of conveying party(ies) attached? [ ] Yes [X] No

MED 11/27/02

2. Name and address of receiving party(ies): Name: Microsoft Corporation Internal Address: Street Address: One Microsoft Way City Redmond State WA ZIP 98052 Additional name(s) & address(es) attached? [ ] Yes [X] No

11046 U.S. PTO 10/306367

3. Nature of Conveyance: [X] Assignment [ ] Merger [ ] Security Agreement [ ] Change of Name [ ] Other Execution Date: November 25, 2002, November 26, 2002, November 25, 2002

4A. Application No.(s) --- 10306367 If this document is being filed together with a new application, the execution date(s) of the application is: November 25, 2002, November 26, 2002, November 25, 2002 Additional numbers attached? [ ] Yes [X] No

4B. Patent No.(s) Additional numbers attached? [ ] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Theodore M. Magee Street Address: Westman, Champlin & Kelly, P.A Suite 1600 International Centre 900 Second Avenue South City: Minneapolis State: MN ZIP 55402

6. Total number of applications and patents involved: [1]

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

8. Method of Payment [X] Enclosed [X] The Director is authorized to charge payment of any additional recording fees or credit any overpayment to deposit account No. 23-1123.

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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.

Theodore M. Magee Name of Person Signing

Signature

11-27-02 Date

Total number of pages submitted: [5]

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number.....  
Filing Date ..... HEREWITH  
Inventorship.....James G. Droppo et al.  
Applicant.....Microsoft Corporation  
Attorney's Docket No. .... M61.12-0444  
MS Docket No. ....171991.1  
Title: METHOD OF REDUCING INDEX SIZES USED TO REPRESENT SPECTRAL CONTENT  
VECTORS

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

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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 "METHOD OF REDUCING INDEX SIZES USED TO REPRESENT SPECTRAL CONTENT VECTORS," as described and claimed in the specification forming part of an application for United States letters patent referenced above;

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.

11/25/2002  
Date

  
James G. Droppo

Nov 26, 2002  
Date

  
\_\_\_\_\_  
Alejandro Acero

Nov. 25 2002  
Date

K. Anso Jr  
Constantinos Boulis