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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
Attorney Docket No.: MICR0335

10-30-02

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To the Honorable Director of the Patent and Trademark Office: Please record the attached original document(s) or copy thereof.

1. Name of conveying party(ies):

Derek H. Smith, Brian L. Schmidt, and Georgios  
ChrysanthakopoulosAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

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

Name: **Microsoft Corporation**  
Address: One Microsoft Way  
Redmond, Washington 98052Additional name(s) and address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other \_\_\_\_\_Execution Date(s): **October 28, 2002**

4. Application number(s) or Patent number(s):

A. Patent Application Number(s):

B. Patent Number(s):

10284854

Additional numbers attached? ☐ Yes ☒ NoIf this document is being filed together with a new application, the execution date of the application is: **October 28, 2002**5. Name and address of party to whom correspondence  
concerning document should be mailed:Law Offices of Ronald M. Anderson  
600 - 108<sup>th</sup> Avenue N.E., Suite 507  
Bellevue, WA 98004  
(425) 688-88166. Total number of applications and patents involved? 17. Total fee (37 C.F.R. § 3.41):..... \$ 408. The fee of \$40 is included in check No. 6229, which is  
enclosed. The Director is authorized to charge any fees that may  
be required or credit any overpayment to Deposit Account No. 01-  
1940.

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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.*

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Ronald M. Anderson

Name of Attorney or Agent  
Registration No. 28,829

Signature

October 30, 2002

Date

## EXPRESS MAIL CERTIFICATE

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Date of Deposit: October 30, 2002

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Arlington, Virginia 22202.

Kathy Paulino

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(Signature of person mailing paper or fee)

OMB No. 0651-0011 (exp. 4/94)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number .....  
Filing Date.....  
Inventorship..... Georgios Chrysanthakopoulos et al.  
Applicant..... Microsoft Corporation  
Attorney's Docket No. .... MICR0335  
Title: **RECURSIVE MULTISTAGE AUDIO PROCESSING**

**PATENT ASSIGNMENT**

**PARTIES TO THE ASSIGNMENT**

**Assignors:**

Derek H. Smith  
20231 Hollyhills Drive, NE  
Bothell, Washington 98011

Brian L. Schmidt  
447 - 140th Avenue, NE  
Bellevue, Washington 98005

Georgios Chrysanthakopoulos  
17327 NE 25<sup>th</sup> Way  
Redmond, Washington 98052

**Assignee:**

Microsoft Corporation  
Corporation in the State of Washington  
One Microsoft Way  
Redmond, WA 98052

**AGREEMENT**

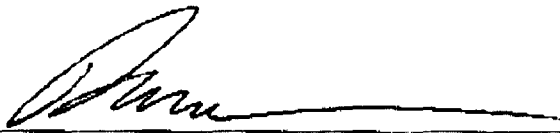
WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled  
"RECURSIVE MULTISTAGE AUDIO PROCESSING," as described and claimed in the  
specification forming part of an application for United States letters patent referenced above;

WHEREAS, Microsoft Corporation (hereinafter referred to as ASSIGNEE), a  
corporation of the State of Washington having a place of business at One Microsoft Way,

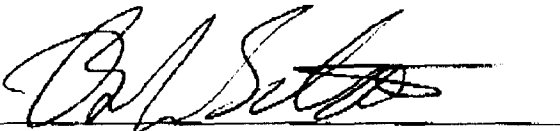
Redmond, WA 98052, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(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 Director of the Patent and Trademark Office 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 therefor.

10/28/02  
Date

  
Derek H. Smith

10/28/02  
Date

  
Brian L. Schmidt

10/28/02  
Date

  
Georgios Chrysanthakopoulos