

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT		
CONVEYING PARTY DATA			
	Name	Execution Date	
	WEI-GE CHEN	12/14/2001	
	NAVEEN THUMPUDI	12/14/2001	
	MING-CHIEH LEE	12/14/2001	
RECEIVING PARTY DATA			
Name:	MICROSOFT CORPORATION		
Street Address:	ONE MICROSOFT WAY		
City:	REDMOND		
State/Country:	WASHINGTON		
Postal Code:	98052		
PROPERTY NUMBERS Total: 1			
	Property Type	Number	
	Application Number:	13850603	
CORRESPONDENCE DATA			
Fax Number:	(503)595-5301		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>			
Phone:	503-595-5300		
Email:	kelly.mccarthy@klarquist.com		
Correspondent Name:	CORY A. JONES, KLARQUIST SPARKMAN, LLP		
Address Line 1:	121 SW SALMON STREET, SUITE 1600		
Address Line 2:	ONE WORLD TRADE CENTER		
Address Line 4:	PORTLAND, OREGON 97204		
ATTORNEY DOCKET NUMBER:	3382-61342-07		
NAME OF SUBMITTER:	CORY A. JONES		
SIGNATURE:	/Cory A. Jones/		
DATE SIGNED:	10/30/2015		
Total Attachments: 4			
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Atty. Ref. No. 3382-61342

Express Mail Label No. EL828140971US

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12/14/01

RECORDATION FORM COVER SHEET - PATENTS ONLY

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 WASHINGTON, D.C. 20231

1. Total number of pages including cover sheet, attachments and document: 4

2. Name of Conveying Party(ies) and Execution Date(s) of Document(s) ☐ Check here if additional name(s) attached

Name(s): Wei-Ge Chen, Naveen Thumpudi and Ming-Chieh Lee

Execution Date(s): December 14, 2001

3. Name and address of receiving party

☐ Check here if additional name(s) & address(es) are attached

Name Microsoft Corporation

Address One Microsoft Way

City Redmond

State/Country WA

Zip 98052

4. Nature of Conveyance

☒ Assignment ☐ Merger ☐ Security Agreement ☐ Name Change ☐ Other:

5. Total number of applications and patents involved: 1

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6. Total Fee Enclosed (37 C.F.R. § 3.41): \$40.00

7. ☒ Check here if any deficiency/overpayment is authorized to be charged to deposit account 02-4550

8. Enter either the Execution date (of the Declaration and Power of Attorney), Application Number, or the Patent Number. Do not enter more than one number for the same patent.

A. ☒ This document is being filed with a new application. Execution date is: December 14, 2001B. ☐ Patent Application No.(s) or Patent No.(s):☐ Check here if additional numbers are attached

9. Correspondent's name, address, and telephone number

Kyle B. Rinehart

Klarquist Sparkman, LLP

One World Trade Center, Suite 1600

121 S.W. Salmon Street

Portland, Oregon 97204-2988

Telephone: 503-226-7391

10. ☒ Please return the attached postcard to confirm that these items have been received.11. 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.*

Kyle B. Rinehart

Name of Person Signing

Signature

December 14, 2001

Date

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Express Mail No. EL828140971US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Numbernot yet assigned
Filing Datenot yet assigned
Inventorship Wei-Ge Chen, Naveen Thumpudi, Ming-Chieh Lee
Applicant Microsoft Corporation
Attorney's Docket No. 3382-61342
MS Docket No. 164255.1
Title: **QUANTIZATION MATRICES FOR DIGITAL AUDIO**

PATENT ASSIGNMENT**PARTIES TO THE ASSIGNMENT****Assignor(s):**

Wei-Ge Chen
24635 SE 37th Street
Issaquah, WA 98029

Naveen Thumpudi
518 234th Place, NE
Sammamish, WA 98074

Ming-Chieh Lee
17242 SE 54th Place
Bellevue, WA 98006

Assignee:

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

AGREEMENT

WHEREAS, ASSIGNORS (listed above) are inventors of an invention entitled "QUANTIZATION MATRICES FOR DIGITAL AUDIO," 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

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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, ASSIGNORS 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 ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS 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.

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12/14/2001
Date

Wei-Ge Chen
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12/14/2001
Date

Naveen Thumpudi
Naveen Thumpudi

12/14/2001
Date

Ming-Chieh Lee
Ming-Chieh Lee