

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5934867

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
POHSIANG HSU	06/25/2013
CHIH-LUNG LIN	04/07/2003
MING-CHIEH LEE	07/15/2013
THOMAS W. HOLCOMB	04/07/2003
SRIDHAR SRINIVASAN	06/24/2013
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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:	16775107
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>	
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Address Line 2:	ONE WORLD TRADE CENTER
Address Line 4:	PORTLAND, OREGON 97204
ATTORNEY DOCKET NUMBER:	3382-62598-15
NAME OF SUBMITTER:	KYLE B. RINEHART
SIGNATURE:	/Kyle B. Rinehart/
DATE SIGNED:	01/29/2020
Total Attachments: 9	

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PATENT ASSIGNMENT

I, Pohsiang Hsu ("ASSIGNOR"), am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "VIDEO CODING / DECODING WITH MOTION RESOLUTION SWITCHING AND SUB-BLOCK TRANSFORM SIZES" ("APPLICATION"), which:

will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Klarquist Sparkman, LLP, 121 SW Salmon Street, Suite 1600, Portland, OR 97204, who are associated with customer number 26119, (ASSIGNEE'S LEGAL REPRESENTATIVES) to insert here in parentheses (filed on 7/16/2013, and given Application No. 13/943,665 by the following Office: United States Patent and Trademark Office) this APPLICATION's Application No. filing date, and Office, when known;

was filed on _____ and was given Application No. _____ by the following Office "United States Patent and Trademark Office";


Microsoft Corporation, a Washington Corporation, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S LEGAL REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known;

Application No.	Filing Date	Office

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, ASSIGNOR'S entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

 _____ Inventor's Signature	<u>6/25/2013</u> _____ Date
<u>Pohsiang Hsu</u> _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

I, Ming-Chieh Lee ("ASSIGNOR"), am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "VIDEO CODING / DECODING WITH MOTION RESOLUTION SWITCHING AND SUB-BLOCK TRANSFORM SIZES" ("APPLICATION"), which:

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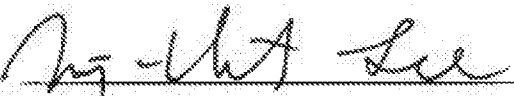
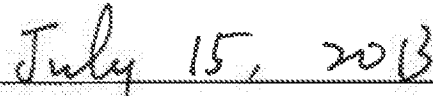
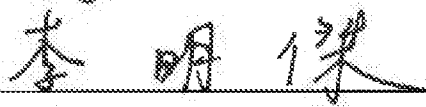
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 _____ Inventor's Signature	 _____ Date
Ming-Chieh Lee _____ Printed Name in English	 _____ Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

I, Sridhar Srinivasan ("ASSIGNOR"), am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "VIDEO CODING / DECODING WITH MOTION RESOLUTION SWITCHING AND SUB-BLOCK TRANSFORM SIZES" ("APPLICATION"), which:

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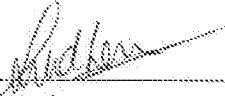
Microsoft Corporation, a Washington Corporation, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

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ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

 Inventor's Signature	6/24/2013 Date
Sridhar Srinivasan Printed Name in English	 Printed Name in Native Language (if other than English)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number.....10/322,352
 Filing Date 12/17/2002
 Inventorship..... Holcomb et al.
 Applicant.....Microsoft Corporation
 Attorney's Docket No.3382-62598
 MS Docket No.164257.1
 Title: SUB-BLOCK TRANSFORM CODING OF PREDICTION RESIDUALS

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Thomas W. Holcomb
 20405 S.E. 28th Avenue
 Bothell, WA 98012

Chih-Lung Lin
 17209 N.E. 95th Street
 Redmond, WA 98052

Assignee:

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

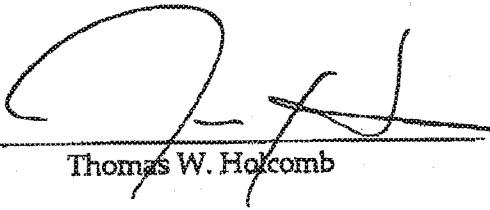
AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "SUB-BLOCK TRANSFORM CODING OF PREDICTION RESIDUALS," 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 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 therefor.

4/7/2003
Date


Thomas W. Holcomb

4/9/2003
Date


Chih-Lung Lin