

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Chih-Lung Lin	10/06/2004
Pohsiang Hsu	10/06/2004
Sridhar Srinivasan	10/06/2004
Thomas W Holcomb	10/06/2004

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:	10960380

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	Stephen A. Wight
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Total Attachments: 3
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CH \$40.00 10960380

SAW:lcm 10/06/04 3382-68617-01 309115.01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number..... *10/960,380*
 Filing Date..... *October 6, 2004*
 Inventorship..... Lin et al.
 Applicant..... Microsoft Corporation
 Attorney's Docket No. 3382-68617-01
 MS Docket No. 309115.01
 Title: ADAPTIVE VERTICAL MACROBLOCK ALIGNMENT FOR MIXED FRAME VIDEO SEQUENCES

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Chih-Lung Lin
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 Redmond, WA 98052
 United States of America

Pohsiang Hsu
 15701 NE 92nd Way
 Redmond, WA 98052
 United States of America

Sridhar Srinivasan
 6611 159th Avenue, NE
 Redmond, WA 98052
 United States of America

Thomas W. Holcomb
 20405 28th Avenue SE
 Bothell, WA 98012
 United States of America

Assignee:

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

SAW:lcm 10/06/04 3382-68017-01 309115.01

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "ADAPTIVE VERTICAL MACROBLOCK ALIGNMENT FOR MIXED FRAME VIDEO SEQUENCES," for which:

a provisional application for United States Letters Patent was filed on and was given U.S. Serial No. _____ and/or

a non-provisional application for United States Letters Patent was:

filed on 10/6/04 and was given U.S. Serial No. 10/960,380; or filed concurrently herewith.

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

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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.

10/06/2004
Date

Chih-Lung Lin
Chih-Lung Lin

10/6/2004
Date

Pohsiang Hsu
Pohsiang Hsu

10/6/2004
Date

Sridhar Srinivasan
Sridhar Srinivasan

10/06/04
Date

Thomas W. Holcomb
Thomas W. Holcomb