

## PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Chih-Lung Lin</td><td>05/25/2005</td></tr><tr><td>Minghui Xia</td><td>05/25/2005</td></tr><tr><td>Pohsiang Hsu</td><td>05/25/2005</td></tr><tr><td>Shou-Jen Wu</td><td>05/25/2005</td></tr></tbody></table>	Name	Execution Date	Chih-Lung Lin	05/25/2005	Minghui Xia	05/25/2005	Pohsiang Hsu	05/25/2005	Shou-Jen Wu	05/25/2005	
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Chih-Lung Lin	05/25/2005										
Minghui Xia	05/25/2005										
Pohsiang Hsu	05/25/2005										
Shou-Jen Wu	05/25/2005										
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City:	Redmond										
State/Country:	WASHINGTON										
Postal Code:	98052										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11137924</td></tr></tbody></table>	Property Type	Number	Application Number:	11137924							
Property Type	Number										
Application Number:	11137924										
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Total Attachments: 1 source=70673-01 Assign#page1.tif											

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**PATENT ASSIGNMENT**

We, Chih-Lung Lin, Minghui Xia, Pohsiang Hsu and Shou-Jen Wu ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "ADAPTIVE VIDEO ENCODING USING A PERCEPTUAL MODEL" ("APPLICATION"), which:

☒ will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Klarquist Sparkman, LLP, 121 S.W. Salmon Street, Suite 1600, Portland, OR 97204, who are associated with customer number 26119, to insert here in parenthesis (U.S. Serial No. 11/137,924, filed 05/25/2005) this APPLICATION'S U.S. Serial Number and filing date, when known;

☐ was filed on \_\_\_\_\_ and was given U.S. Serial No. \_\_\_\_\_;  
☐ is filed concurrently herewith;

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"));

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, the 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).

5/25/05  
DATE

5/25/05  
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5/25/05  
DATE

5/25/05  
DATE

Chih-Lung Lin  
Chih-Lung Lin

Minghui Xia  
Minghui Xia

Pohsiang Hsu  
Pohsiang Hsu

Shou-Jen Wu  
Shou-Jen Wu