

PATENT ASSIGNMENT

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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>Matthew Brown</td><td>05/14/2007</td></tr><tr><td>Richard Hartley</td><td>05/23/2007</td></tr></tbody></table>	Name	Execution Date	Matthew Brown	05/14/2007	Richard Hartley	05/23/2007	
Name	Execution Date						
Matthew Brown	05/14/2007						
Richard Hartley	05/23/2007						
RECEIVING PARTY DATA							
Name:	Microsoft Corporation						
Street Address:	One Microsoft Way						
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>11754945</td></tr></tbody></table>	Property Type	Number	Application Number:	11754945			
Property Type	Number						
Application Number:	11754945						
CORRESPONDENCE DATA							
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NAME OF SUBMITTER:	Richard T. Lyon						
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PATENT
REEL: 019355 FRAME: 0378

PATENT ASSIGNMENT

I/WE, Matthew Brown and Richard Hartley ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "FOCAL LENGTH ESTIMATION FOR PANORAMIC STITCHING" ("APPLICATION"), which:

☒ will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Lyon & Harr, LLP, 300 Esplanade Drive, Suite 800, Oxnard, CA 93036, who are associated with customer number 27662, to insert here in parenthesis (U.S. Serial No. 11/754,945, filed 5/29/2007) 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).

5/14/07
DATE

Matthew Brown
Matthew Brown

DATE

Richard Hartley

MS Docket No. 319104.01
(OC Docket No. MCS-004-07)

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DATE

5/23/2007

DATE

Matthew Brown

Richard Hartley

Richard Hartley

PATENT

RECORDED: 05/30/2007

REEL: 019355 FRAME: 0380