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Conveying Party(ies)



Mark if additional names of conveying parties attached

Name (line 1) Matthew T. Uyttendaele

Execution Date
Month Day Year
07 03 2000

Name (line 2)

Second Party

Name (line 1) Richard S. Szeliski

Execution Date
Month Day Year
07 03 2000

Name (line 2)

Receiving Party



Mark if additional names of receiving parties attached

Name (line 1) Microsoft Corporation



If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1) One Microsoft Way

Address (line 2)

Address (line 3) Redmond

City

Washington/USA

State/Country

98052

Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

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Correspondent Name and Address

Area Code and Telephone Number (805) 278-8855

Name Richard T. Lyon

Address (line 1) LYON, HARR & DEFRANK

Address (line 2) 300 Esplanade Drive, Suite 800

Address (line 3) Oxnard, CA 93030

Address (line 4)

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Patent Application Number(s)

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year
07 03 2000

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT PCT PCT
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Number of Properties

Enter the total number of properties involved.

1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

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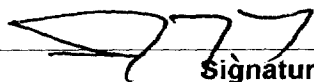
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Statement and Signature

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. Charges to deposit account are authorized, as indicated herein.

Richard T. Lyon

Name of Person Signing



Signature

7-7-00

Date

ASSIGNMENT

WHEREAS, we, Matthew T. Uyttendaele and Richard S. Szeliski (hereinafter referred to as ASSIGNORS), having post office addresses of 153 Erie Avenue, Seattle, Washington 98122 and 2602 131st PI NE, Bellevue, Washington 98005, respectively, are the joint inventors of an invention entitled "PANORAMIC VIDEO" as described and claimed in the specification forming part of an application for United States letters patent executed 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, ASSIGNORS hereby sell, assign and transfer unto said 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.

IN WITNESS WHEREOF, we have hereunto signed our names on the day and year set forth below.

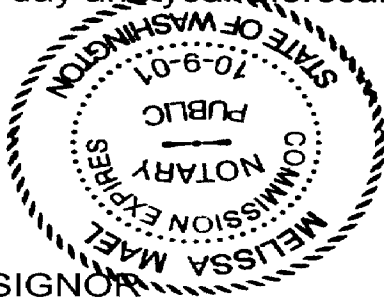
1) FIRST ASSIGNOR

Matthew T. Uyttendaele
Matthew T. Uyttendaele

Dated: 7/3/00

State of Washington
County of King

On this 3rd day of July, 2000, before me, a Notary Public in and for the State and County aforesaid, personally appeared Matthew T. Uyttendaele, known to me to be the person of that name, who signed the foregoing instrument, and who acknowledged that he signed it as a free act on his behalf, on the day and year aforesaid.



Melissa Mael
Notary Public

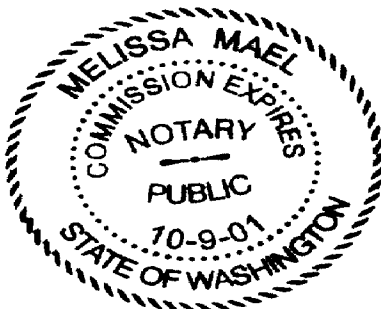
2) SECOND ASSIGNOR

Richard S. Szeliski
Richard S. Szeliski

Dated: 7/3/2000

State of Washington
County of King

On this 3rd day of July, 2000, before me, a Notary Public in and for the State and County aforesaid, personally appeared Richard S. Szeliski, known to me to be the person of that name, who signed the foregoing instrument, and who acknowledged that he signed it as a free act on his behalf, on the day and year aforesaid.



Melissa Mael
Notary Public