

12-28-2001



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**RECORDATION FORM COVER SHEET
PATENTS ONLY**

1017 U.S. PTO
10/017733
12/13/01

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

New **MRD 12/13/01**

Resubmission (Non-Recordation)
Document ID#

Correction of PTO Error
Reel # Frame #

Corrective Document
Reel # Frame #

Conveyance Type

Assignment Security Agreement

License Change of Name

Merger Other

U.S. Government
(For Use ONLY by U.S. Government Agencies)

Departmental File Secret File

Conveying Party(ies)

Mark if additional names of conveying parties attached

Name (line 1)	<input type="text" value="Lin Liang"/>	Execution Date Month Day Year	<input type="text" value="12 05 2001"/>
Name (line 2)	<input type="text"/>		
Second Party		Execution Date Month Day Year	
Name (line 1)	<input type="text" value="Yanyun Chen"/>		<input type="text" value="12 05 2001"/>
Name (line 2)	<input type="text"/>		

Receiving Party

Mark if additional names of receiving parties attached

Name (line 1)	<input type="text" value="Microsoft Corporation"/>		<input type="checkbox"/> 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)	<input type="text"/>			
Address (line 1)	<input type="text" value="One Microsoft Way"/>			
Address (line 2)	<input type="text"/>			
Address (line 3)	<input type="text" value="Redmond"/>	<input type="text" value="Washington"/>		<input type="text" value="98052"/>
	City	State/Country		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)

FOR OFFICE USE ONLY

Correspondent Name and Address

Area Code and Telephone Number

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

Pages Enter the total number of pages of the attached conveyance document including any attachments. #

Application Number(s) or Patent Number(s) Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

<input type="text" value="10017733"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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If this document is being filed together with a new Patent Application, enter the date the patent application was Month Day Year

Patent Cooperation Treaty (PCT)

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

PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>
PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>

Number of Properties Enter the total number of properties involved. #

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

Method of Payment: Enclosed Deposit Account

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the Deposit Account Number: #

Authorization to charge additional fees: Yes No

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

12-13-01
Date

RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

Conveying Party(ies)

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) Execution Date: 12/04/2001

Name (line 2)

Name (line 1) Execution Date: 12/04/2001

Name (line 2)

Name (line 1) Execution Date: 12 05 2001

Name (line 2)

11017 U.S. PTO
10/01/733
12/13/01

Receiving Party

Mark if additional names of receiving parties attached

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventorship.....Liang et al.
Applicant.....Microsoft Corporation
Attorney's Docket No.MCS-043-01
Title: **INTERACTIVE WATER EFFECTS USING TEXTURE COORDINATE SHIFTING**

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Lin Liang
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1 Xiangjiang Belu, ChaoYang District
Beijing, P. R. 100015 China

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 "Interactive Water Effects Using Texture Coordinate Shifting," 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.

5/12/2001
Date

Lin Liang
Lin Liang

5/12/2001
Date

Yayun Chen
Yayun Chen

12/04/2001
Date

Ying-Qing Xu
Ying-Qing Xu

12/04/01
Date

Baining Guo
Baining Guo

12/5/01
Date

Heung-Yeung Shum
Heung-Yeung Shum