

06-28-2001

U.S. Department of  
Commerce  
PATENT



101763535  
PATENTS ONLY

1 SHEET

U.S. PTO  
09/884343

06/16/01

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- ☒ New
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- ☐ License ☐ Change of Name
- ☐ Merger ☐ Other

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☐ Departmental File ☐ Secret File

09/884343

**Conveying Party(ies)**

☒ Mark if additional names of conveying parties

Name (line 1) Zhengyou Zhang

Execution Date  
Month Day Year  
5/11/2001

Name (line 2)

**Second Party**

Name (line 1) Ying Shan

Execution Date  
Month Day Year  
5/14/01

Name (line 2)

**Receiving Party**

☐ Mark if additional names of receiving parties

Name (line 1) Microsoft Corporation

Name (line 2)

Address (line 1) One Microsoft Way

Address (line 2)

Address (line 3) Redmond WA 94052

City

State/Country

Zip Code

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PATENT  
REEL: 011924 FRAME: 0436

**Correspondent Name and Address**

Area Code and Telephone Number

805-278-8855

Name Katrina A. Lyon

Address (line LYON, HARR & DEFRANK, LLP

Address (line 300 Esplanade Drive, Suite 800

Address (line

Address (line Oxnard, CA 93030

**Pages**

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

# 5

**Application Number(s) or Patent Number(s)**

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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)


If this document is being filed together with a new Patent Application, enter the date the patent application was

Month Day Year  
5/11/2001

**Patent Cooperation Treaty (PCT)**

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

PCT PCT PCT  
PCT PCT PCT

**Number of Properties**

Enter the total number of properties involved.

# 1

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41):

\$ 40.00

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.

Katrina A. Lyon

Name of Person Signing

Signature

Date

PATENT

REEL: 011924 FRAME: 0437

RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY

U.S. Department of  
Commerce  
PATENT

Conveying Party(ies)

Enter additional Conveying Parties

☐ Mark if additional names of conveying parties

Name (line 1) Steven A. N. Shafer

Execution Date  
Month Day Year  
05/22/2001

Name (line 2)

Name (line 1) Ying Wu

Execution Date  
Month Day Year  
06/08/2001

Name (line 2)

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

Receiving Party

☐ Mark if additional names of receiving parties

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

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Zip Code

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

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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)







**ASSIGNMENT**

WHEREAS, we,

Zhengyou Zhang  
10090 177th Ave NE  
Redmond, WA 98052

Ying Shan  
25-04 Pheasant Hollow Drive  
Plainsboro, NJ 08536

Steven A.N. Shafer  
1314 Fifth Ave. West  
Seattle, WA 98119

Ying Wu  
605 E. White, # D32  
Champaign, IL 61801

(hereinafter referred to as ASSIGNORS) are the joint inventors of an invention entitled "SYSTEM AND METHOD FOR PROVIDING A MOBILE INPUT DEVICE", as described and claimed in the specification forming part of an application for United States letters patent executed herewith;

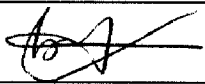
WHEREAS, Microsoft Corporation (hereinafter referred to as ASSIGNEE), a corporation of the State of Washington having a place of business at One Microsoft Way, Redmond, WA 98052, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that 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

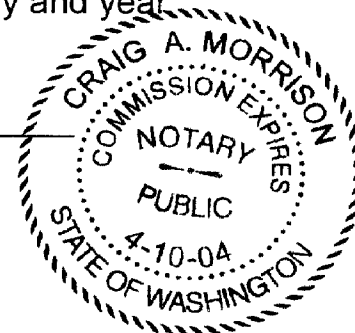
  
Zhengyou Zhang

Dated: 5/11/2001

State of WA  
County of King

On this 11<sup>th</sup> day of May, 2001, before me, a Notary Public in and for the State and County aforesaid, personally appeared Zhengyou Zhang, 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.

  
Notary Public



2) SECOND ASSIGNOR

Ying Shan

Dated: \_\_\_\_\_

State of \_\_\_\_\_  
County of \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, a Notary Public in and for the State and County aforesaid, personally appeared Ying Shan, 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.

\_\_\_\_\_  
Notary Public

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

\_\_\_\_\_ Dated: \_\_\_\_\_  
Zhengyou Zhang

State of \_\_\_\_\_  
County of \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, a Notary Public in and for the State and County aforesaid, personally appeared Zhengyou Zhang, 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.

\_\_\_\_\_  
Notary Public

2) SECOND ASSIGNOR

\_\_\_\_\_ Dated: 05/14/01  
Ying Shan Shan Ying

State of New Jersey  
County of Merrier

On this 14th day of May, 2001, before me, a Notary Public in and for the State and County aforesaid, personally appeared Ying Shan, 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.

Jim DeL...  
Notary Public

3) THIRD ASSIGNOR

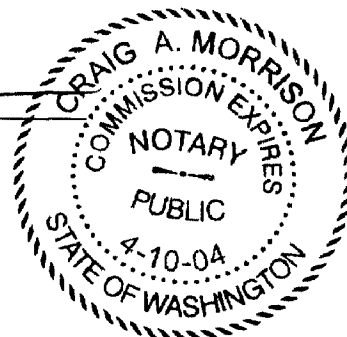
Steven A.N. Shafer  
Steven A.N. Shafer

Dated: 22 May 2001

State of WA  
County of King

On this 22 day of May, 2001, before me, a Notary Public in and for the State and County aforesaid, personally appeared Steven A.N. Shafer, 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.

[Signature]  
Notary Public



4) FOURTH ASSIGNOR

Ying Wu

Dated: \_\_\_\_\_

State of \_\_\_\_\_  
County of \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, a Notary Public in and for the State and County aforesaid, personally appeared Ying Wu, 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.

\_\_\_\_\_  
Notary Public

3) THIRD ASSIGNOR

\_\_\_\_\_  
Steven A.N. Shafer

Dated: \_\_\_\_\_

State of \_\_\_\_\_  
County of \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, a Notary Public in and for the State and County aforesaid, personally appeared Steven A.N. Shafer, 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.

\_\_\_\_\_  
Notary Public

4) FOURTH ASSIGNOR

Ying Wu  
Ying Wu

Dated: 6/8/2001

State of Illinois  
County of Champaign

On this 8 day of June, 2001, before me, a Notary Public in and for the State and County aforesaid, personally appeared Ying Wu, 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.

Carolyn A Johnson  
Notary Public

