

FORM PTO-1595 (Modified)  
(Rev. 6-93)  
OMB No. 0651-0011 (exp. 4/94)  
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P03A/REV02

01-19-2000

T U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

11/11/99  
12/20/99



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Tab settings

To the Honorable Commissioner of Patents

... attached original documents or copy thereof.

1. Name of conveying party(ies):  
**Kentaro Toyama and Eric J. Horvitz**

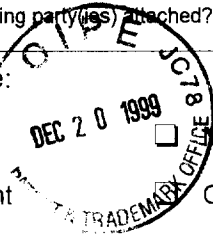
Additional names(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies):  
Name: **Microsoft Corporation**  
Address: **One Microsoft Way**

3. Nature of conveyance:  
 Assignment  
 Security Agreement  
 Other

Merger  
 Change of Name

Execution Date: **11-17-99**



City: **Redmond** State/Prov.: **98052**  
Country: **USA** ZIP: **WA**

Additional name(s) & address(es) attached?  Yes  No

4. Application number(s) or registration numbers(s):  
If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

Patent Application No.	Filing date	B. Patent No.(s)
<b>09/416,189</b>	<b>10-12-99</b>	

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: **Edmond A. DeFrank**  
Registration No. **37,814**  
Address: **LYON HARR & DEFRANK**  
**300 East Esplanade Drive**  
**Suite 800**  
City: **Oxnard** State/Prov.: **CA**  
Country: **USA** ZIP: **93030**

6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 3.41):.....\$ **40.00**  
 Enclosed - Any excess or insufficiency should be credited or debited to deposit account  
 Authorized to be charged to deposit account

8. Deposit account number: **50-0463**

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9. Statement and signature.  
*To the best of my knowledge and belief, the foregoing information is true and correct and every attached copy is a true copy of the original document.*  
**Edmond A. DeFrank**  
Name of Person Signing

Signature

12/15/99

Date

Total number of pages including cover sheet, attachments, and document: \_\_\_\_\_

01/19/2000 09416189 0000015 500463 40.00 00

PATENT

**ASSIGNMENT**

WHEREAS, we, Kentaro Toyama and Eric J. Horvitz (hereinafter referred to as ASSIGNORS), having post office addresses of 9210 162nd Place NE, Redmond, WA 98052; and 330 Waverly Way, Kirkland, WA 98033, respectively, are the inventors of an invention entitled "MODALITY FUSION FOR OBJECT TRACKING WITH TRAINING SYSTEM AND METHOD," as described and claimed in the specification forming part of an application for United States letters patent filed October 12, 1999 and assigned Serial No. 09/416,189;

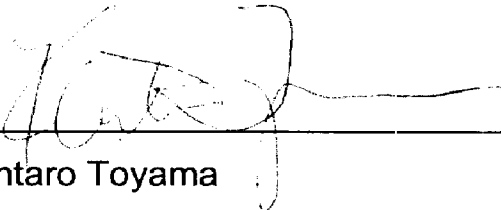
WHEREAS, Microsoft Corporation (hereinafter referred to as ASSIGNEE), a corporation of the State of Washington having a place of business at One Microsoft Way, Redmond, WA 98052, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that 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, I have hereunto signed my name on the day and year set forth below.

1) ASSIGNOR

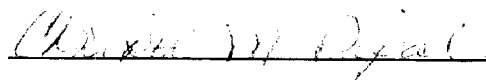
  
\_\_\_\_\_  
Kentaro Toyama

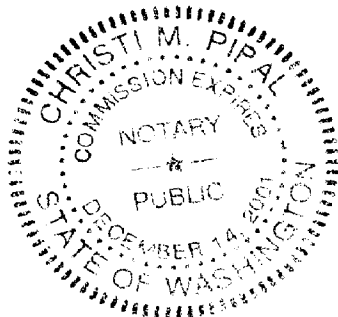
Dated: 11/17/99

State of WA

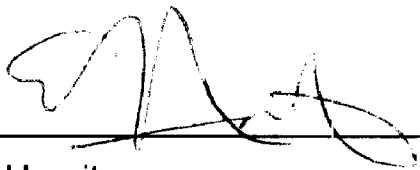
County of King

On this seventeenth day of November, 1999, before me, a Notary Public in and for the State and County aforesaid, personally appeared Kentaro Toyama, 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) ASSIGNOR



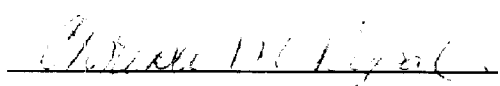
Eric J. Horvitz

Dated: 11/17/99

State of WA

County of King

On this Seventeen day of November, 1999, before me, a Notary Public in and for the State and County aforesaid, personally appeared Eric J. Horvitz, 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

