

**PATENT RECORDATION  
COVER SHEET**

10-19-2000



orney Docket No.  
M61.12-0223

To the Honorable Director of the U.S. Patent and Trademark Office  
the attached original document or copy thereof.

101490880

Mark Office: Please record

1. Name of conveying party(ies): **10-2-00**  
(1) Xuedong Huang  
(2) Milind V. Mahajan  
(3) Ye-Yi Wang  
(4) Xiaolong Mou

Additional name(s) of conveying party(ies)  
attached? [ ] Yes [X] No

3. Nature of Conveyance:

[X] Assignment [ ] Merger  
[ ] Security Agreement  
[ ] Change of Name [ ] Other \_\_\_\_\_

Execution Date: 1) 9/6/00 2) 9/6/00  
3) 8/24/00 4) 8/23/00

2. Name and address of receiving  
party(ies):

Name: Microsoft Corporation

Internal Address: \_\_\_\_\_

Street Address: One Microsoft Way

City Redmond State WA ZIP 98052

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

4A. Application No.(s)

09/585,298

If this document is being filed together with  
a new application, the execution date(s) of the  
application is: June 1, 2000

Additional numbers attached? [ ] Yes [X] No

4B. Patent No.(s)

Additional numbers attached?  
[ ] Yes [X] No

5. Name and address of party to whom corres-  
pondence concerning document should be mailed:

Name: Steven M. Koehler  
Street Address: Westman, Champlin & Kelly, P.A.  
Suite 1600  
International Centre  
900 Second Avenue South  
City: Minneapolis State: MN ZIP 55402

6. Total number of applications and  
patents involved: [1]

7. Total fee (37 CFR 3.41):.....\$ 40.00

8. Method of Payment

[X] Enclosed  
[X] The Director is authorized to  
charge payment of any additional  
recording fees or credit any  
overpayment to deposit account  
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9. 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.

Steven M. Koehler  
Name of Person Signing

Signature

9/26/00  
Date

Total number of pages submitted: [7]

10/17/2000 NTHAI1 00000308 09585298

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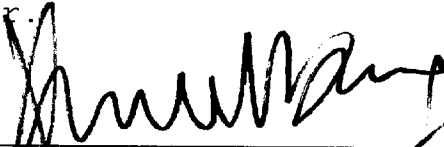
**PATENT  
REEL: 011157 FRAME: 0916**

WHEREAS, we, Xuedong Huang, having post office address of 20020 NE 121st St, Woodinville, WA 98072; Milind Mahajan, having post office address of 17430 NE 97th Way, Redmond, WA 98052; Ye-Yi Wang, having post office address of 6120 142nd Ct NE, Redmond, WA 98052, and Xiaolong Mou, having post office address of 60 Wadsworth Street, Apt. 4D, Cambridge, MA 02142, (hereinafter referred to as ASSIGNORS) respectively, are the joint inventors of an invention entitled "CREATING A LANGUAGE MODEL FOR A LANGUAGE PROCESSING SYSTEM" as described and claimed in the specification forming part of an application for United States letters patent executed herewith, and/or being identifiable in the United States Patent and Trademark Office by Serial No. 09/585,298, filed June 1, 2000;

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;

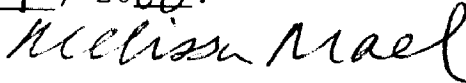
NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted 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 of their successors and assigns as fully and entirely as the

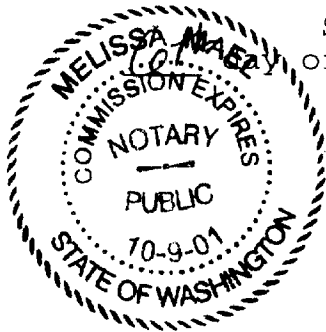
same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.


  
\_\_\_\_\_  
Xuedong Huang

STATE OF WASHINGTON )  
COUNTY OF King ) ss.

Subscribed and sworn to before me, a Notary Public, this  
September, 2000.





  
\_\_\_\_\_  
Milind V. Mahajan

STATE OF WASHINGTON )  
COUNTY OF King ) ss.

6th day of September, 2000.

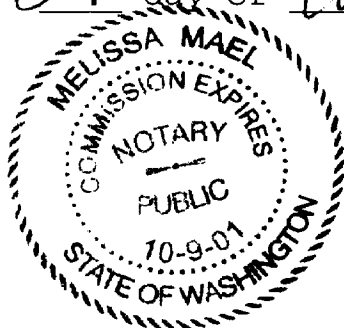
  
\_\_\_\_\_  
Notary Public



Ye-Yi Wang  
Ye-Yi Wang

STATE OF WASHINGTON )  
COUNTY OF King ) ss.

24th day of August, 2000.  
Subscribed and sworn to before me, a Notary Public, this



Melissa Mael

Xiaolong Mou

STATE OF MASSACHUSETTS )  
COUNTY OF \_\_\_\_\_ ) ss.

Subscribed and sworn to before me, a Notary Public, this  
\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

# ASSIGNMENT

Attorney Docket No.

M61.12-0223

WHEREAS, we, Xuedong Huang, having post office address of 20020 NE 121st St, Woodinville, WA 98072; Milind Mahajan, having post office address of 17430 NE 97th Way, Redmond, WA 98052; Ye-Yi Wang, having post office address of 6120 142nd Ct NE, Redmond, WA 98052, and Xiaolong Mou, having post office address of 60 Wadsworth Street, Apt. 4D, Cambridge, MA 02142, (hereinafter referred to as ASSIGNORS) respectively, are the joint inventors of an invention entitled "CREATING A LANGUAGE MODEL FOR A LANGUAGE PROCESSING SYSTEM" as described and claimed in the specification forming part of an application for United States letters patent executed herewith, and/or being identifiable in the United States Patent and Trademark Office by Serial No. 09/585,298, filed June 1, 2000;

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 of their successors and assigns as fully and entirely as the



Ye-Yi Wang

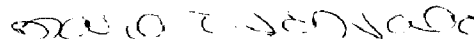
STATE OF WASHINGTON )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

Subscribed and sworn to before me, a Notary Public, this  
\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

  
\_\_\_\_\_  
Xiaolong Mou

STATE OF MASSACHUSETTS )  
 ) ss.  
COUNTY OF MIDDLESEX )

Subscribed and sworn to before me, a Notary Public, this  
23 day of AUGUST, 2000.



**Maria T. Sensale, Notary Public**  
**My Commission Expires March 15, 2002**