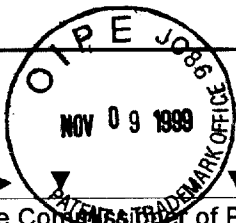


11-9-00

Docket No.: 14984.19

FORM PTO-1595 (Modified)
(Rev. 6-93)
OMB No. 0651-0011 (exp. 4/94)
Copyright 1996-97 LegalStar
P08A/REV02



11-17-1999



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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Tab settings → → →

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Charlton E. Lui
Leroy B. Keely, Jr.
Gregory C. Hitchcock
Ryan E. Cukierman

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**

City: **Redmond** State/Prov.: **WA**

Country: **USA** ZIP: **98052**

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: **10/5/99; 8/12/99; 8/6/99; 10/6/99**

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)
09/301,904	April 29, 1999	

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **RICK D. NYDEGGER**

Registration No. **28,651**

Address: **WORKMAN, NYDEGGER & SEELEY**

1000 Eagle Gate Tower

60 East South Temple

City: **Salt Lake City** State/Prov.: **UT**

Country: **USA** ZIP: **84111**

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:

23-3178

11/16/1999 DNGLIYEN 00000303 09301904

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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.

RICK D. NYDEGGER

Name of Person Signing

Signature

NOVEMBER 8, 1999

Date

Total number of pages including cover sheet, attachments, and document: **7**

ASSIGNMENT

WHEREAS, we, Charlton E. LUI, Leroy B. KEELY, JR., Gregory C. HITCHCOCK and Ryan E. CUKIERMAN (hereinafter referred to as ASSIGNORS), having post office address of 6215 204th Dr. NE, Redmond, WA, 98053, 210 Gabarda Way, Portola Valley, CA, 94028, 17828 159th Ave., NE, Woodinville, WA, 98072-9236, and 4850 156th Ave. NE, Apt. 72, Redmond, WA, 98052, respectively, are the joint inventors of an invention entitled:

**METHODS, APPARATUS AND DATA STRUCTURES FOR OVERSCALING OR
OVERSAMPLING CHARACTER FEATURE INFORMATION IN A SYSTEM FOR
RENDERING TEXT ON HORIZONTALLY STRIPED DISPLAYS**

as described and claimed in the specification forming part of an application for United States letters patent filed April 29, 1999 and assigned Serial No. 09/301,904;

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 goods 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.

TESTIMONY WHEREOF, I hereunto set my hand and seal this

5th

day of

October

, 1999

[Handwritten signature of Charlton E. Lui]

Charlton E. LUI, ASSIGNOR

State of Washington :

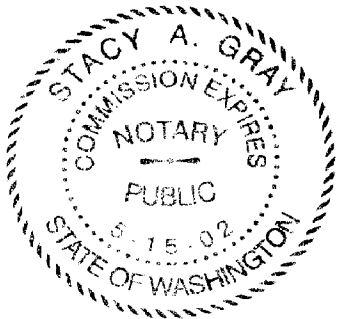
:

: SS

County of King :

:

On this 5th day of October, 1999, before me, a Notary Public in and for the State and County aforesaid, personally appeared Charlton E. LUI, known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his/her free act and deed.



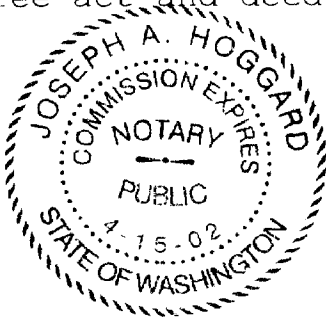
[Handwritten signature of Stacy A. Gray]
Notary Public

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 6th day of AUGUST, 1999.

Gregory C. Hitchcock
Gregory C. HITCHCOCK, ASSIGNOR

State of WASHINGTON :
: SS
County of KING :

On this 6th day of AUGUST, 1999, before me, a Notary Public in and for the State and County aforesaid, personally appeared Gregory C. HITCHCOCK, known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his/her free act and deed.



Joseph A. Hoggard
Notary Public

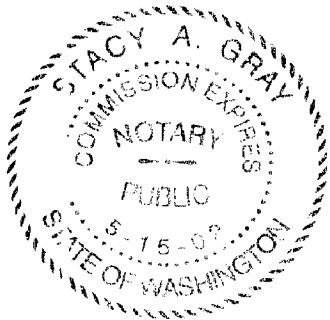
IN TESTIMONY WHEREOF, I hereunto set my hand and seal this
6th day of October, 1999.

Ryan E. Cukierman

Ryan E. CUKIERMAN, ASSIGNOR

State of WA :
 : SS
County of King :

On this 6th day of October,
1999, before me, a Notary Public in and for the State and County
aforesaid, personally appeared Ryan E. CUKIERMAN, known to me to
be the person of that name, who signed and sealed the foregoing
instrument, and acknowledged the same to be his/her free act and
deed.



Stacy A. Gray

Notary Public