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Attorney Docket No.
M61.12-0594

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Patent and Trademark Office: Please record the

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(1) Min Chu
(2) Chao Huang
(3)
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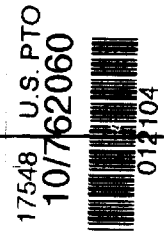
2. Name and address of receiving
party(ies):
Name: Microsoft Corporation
Internal Address: _____
Street Address: One Microsoft Way
City Redmond State WA ZIP 98052
Additional name(s) & address(es) attached?
[] Yes [X] No

3. Nature of Conveyance:
 Assignment [] Merger
 Security Agreement
 Change of Name [] Other _____

Execution Date: January 21, 2004

4A. Application No.(s)
10762060
If this document is being filed together with a
new application, the execution date(s) of the
application is: January 21, 2004
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
 Enclosed
 The Director is authorized to
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To the best of my knowledge and belief, the foregoing information is true and correct and any
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1/21/04
Date

Total number of pages submitted: [2]

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number
Filing Date..... Executed Concurrently Herewith
Inventorship Chao Huang et al.
Applicant Microsoft Corporation
Attorney's Docket No. M61.12-0594
MS Docket No. 307334.01
Title: SEGMENTAL TONAL MODELING FOR TONAL LANGUAGES

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

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Assignee:

Microsoft Corporation
Corporation in the State of Washington
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Redmond, WA 98052

AGREEMENT

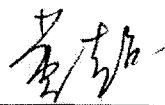
WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "SEGMENTAL TONAL MODELING FOR TONAL LANGUAGES," as described and claimed in the specification forming part of an application for United States letters patent referenced above;

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 therefore 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 therefore.

Jan. 21, 2004
Date


Chao Huang

Jan. 21, 2004
Date


Min Chu