

02/16/04

PATENT RE
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02-26-2004

Attorney Docket No.
M61.12-0592To the Honorable Direc
attached original docu.

102678422

and Trademark Office: Please record the

1. Name of conveying party(ies):
(1) Jian WuAdditional name(s) of conveying party(ies)
attached? [] Yes [X] No2. Name and address of receiving
party(ies):Name: Microsoft Corporation

Internal Address: _____

Street Address: One Microsoft WayCity Redmond State WA ZIP 98052Additional name(s) & address(es) attached?
[] Yes [X] No

3. Nature of Conveyance:

☒ Assignment [] Merger
[] Security Agreement
[] Change of Name [] Other _____Execution Date: 2/13/04

4A. Application No.(s)

--- 101780177

If this document is being filed together with a
new application, the execution date(s) of the
application is: 2/13/04

Additional numbers attached? [] Yes [X] No

4B. Patent No.(s)

Additional numbers attached?
[] Yes [X] No5. Name and address of party to whom corres-
pondence concerning document should be mailed:Name: Theodore M. Magee
Street Address: Westman, Champlin & Kelly, P.A
Suite 1600
International Centre
900 Second Avenue South
City: Minneapolis State: MN ZIP 554026. 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
charge payment of any additional
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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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Name of Person Signing*Theodore M. Magee*
Signature

2-16-04

Date

Total number of pages submitted: [7]

PATENT
REEL: 015003 FRAME: 0811

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Filing Date..... Executed Concurrently Herewith
Inventorship Jian Wu et al.
Applicant Microsoft Corporation
Attorney's Docket No. M61.12-0592
MS Docket No. 306538.01
Title:..... METHOD AND APPARATUS FOR CONSTRUCTING A SPEECH FILTER USING
ESTIMATES OF CLEAN SPEECH AND NOISE

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

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Assignee:

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

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled
"METHOD AND APPARATUS FOR CONSTRUCTING A SPEECH FILTER USING
ESTIMATES OF CLEAN SPEECH AND NOISE," 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.

Feb. 13, 2004
Date

Jian Wu
Jian Wu

Date

James G. Droppo

Date

Li Deng

Date

Alejandro Acero