

12-10-2001



DRM

Attorney Docket No.
M61.12-0387

101910738

To the Honorable Director of the United States Patent and Trademark Office: Please record the attached original document or copy thereof.

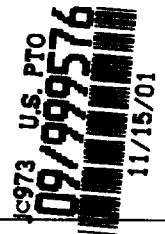
1. Name of conveying party(ies):
(1) Hagai Attias
(2) John Carlton Platt
(3) Li Deng
(4) Alejandro Acero

11/15/01

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

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:
[X] Assignment [] Merger
[] Security Agreement
[] Change of Name [] Other _____
Execution Date: 11/12/01; 11/12/01; 11/13/01; & 11/13/01



4A. Application No.(s)

If this document is being filed together with a new application, the execution date(s) of the application is: 11/12/01; 11/12/01; 11/13/01/ & 11/13/01
Additional numbers attached? [] Yes [X] No

4B. Patent No.(s)

Additional numbers attached? [] Yes [] No

5. Name and address of party to whom correspondence 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 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 No. 23-1123.

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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.

Theodore M. Magee
Name of Person Signing

Theodore M. Magee
Signature

Nov. 15, 2001
Date

Total number of pages submitted: [4]

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Filing Date HEREWITH
Inventorship..... Hagai Attias et al.
Applicant.....Microsoft Corporation
Attorney's Docket No. M61.12-0387
Title: METHOD AND APPARATUS FOR DENOISING AND DEVERBERATION USING
VARIATIONAL INFERENCE AND STRONG SPEECH MODELS

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Hagai Attias
2515 4th Ave. #1709
Seattle, Washington 98121

John Carlton Platt
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Bellevue, Washington 98005

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6525 163rd Place SE
Bellevue, Washington 98006

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 DENOISING AND DEVERBERATION USING VARIATIONAL INFERENCE AND STRONG SPEECH MODELS," 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 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, 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 therefor.

11/12/01
Date

Hagai Attias
Hagai Attias

11/12/01
Date

John Carlton
John Carlton ~~Platt~~
Platt

11/13/01
Date

Li Deng
Li Deng

11/13/01
Date

Alejandro Acero
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