

05-30-2002

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Attorney Docket No.
M61.12-0411

To the Honorable 102105922 Patent and Trademark Office: Please record the attached original document or copy thereof.

1. Name of conveying party(ies):
 (1) James G. Droppo
 (2) Alejandro Acero
 (3) Li Deng *05/20/02*

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

10997 U.S. PTO
 10/152127
 05/20/02

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

Execution Date: 05/10/02; 05/10/02; & 05/20/02

4A. Application No.(s)
10/152127

If this document is being filed together with a new application, the execution date(s) of the application is: 05/10/02; 05/10/02; & 05/20/02

Additional numbers attached? [] Yes [X] No

4B. Patent No.(s)

Additional numbers attached? [] Yes [X] 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
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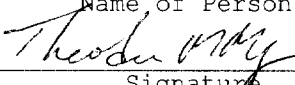
6. Total number of applications and patents involved: [1]

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

8. Method of Payment
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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

 Signature

5-20-02
 Date

Total number of pages submitted: [5]

05/30/2002 6TOM11 00000070 10152127
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PATENT
 REEL: 012926 FRAME: 0541

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number.....
Filing Date..... HEREWITH
Inventorship..... James G. Droppo et al.
Applicant..... Microsoft Corporation
Attorney's Docket No. M61.12-0411
Title: METHOD OF PATTERN RECOGNITION USING NOISE REDUCTION UNCERTAINTY

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

James G. Droppo
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Sammamish, WA 98074

Assignee:

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

AGREEMENT

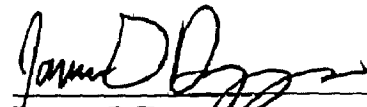
WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "METHOD OF PATTERN RECOGNITION USING NOISE REDUCTION UNCERTAINTY," as described and claimed in the specification forming part of an application for United States letters patent referenced above;

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.

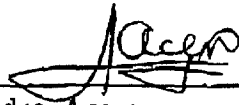
5/10/2002

Date


James G. Dropp

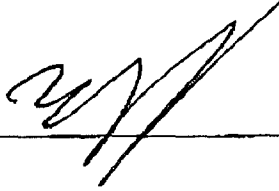
5/10/2002

Date



Alejandro Acero

5/20/02
Date


Li Deng