07-10-2003 FORM PTO-1595 U.S. DEPARTMENT OF COMMERCE RECOR (REV 6-93) Patent and Trademark Office 6-24-03 102492978 OMB No. 0651-011 (exp.4/94) To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 2. Name of conveying party(ies): Name and address of receiving party(ies): Jennifer Chayes Microsoft Corporation Christian H. Borgs Amin Saberi Mohammad Mahdian Internal Address: ______ Additional name(s) of conveying party(ies) attached? [] Yes [X] No Street Address: One Microsoft Way 3. Nature of conveyance: [X] Assignment [] Merger Redmond] Security Agreement [] Change of Name City: ___ ___ ZIP: 98052 Washington] Other ____ State/Country: _ Execution Date: 6/23/03 & 6/24/03 Additional name(s) & address(es) attached? [] Yes [X] No Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: 6/23/03 & 6/24/03 A. Patent Application No.(s) B. Patent No.(s) 10,603034 Additional Numbers attached? [] Yes [X] No 5. Name and address of party to whom 6. Total number of applications and patents involved: [1] correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41)\$___ 40.00 Himanshu S. Amin Name: Internal Address: _____ [] Enclosed Amin & Turocy, LLP [X] Authorized to be charged to deposit account Street Address: 24th Floor, National City Center 1900 E. 9th Street 8. Deposit account number: Cleveland 50-1063 City: ZIP: 44114 Ohio State: (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 10/2003 BRYRNE 00000029 501063 10603034 or Pastatement and signature.

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

Total number of pages including cover sheet attachments, and document: [5]

o 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.

Name of Person Signing

Himanshu S. Amin

Reg. No.

June 24, 2003

Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number:

Filing Date:

Inventorship: Jennifer Chayes, et al. Applicant: Microsoft Corporation

Attorney's Docket No.: MSFTP467US MS Docket No.:

MS303621.1

Title:

NEWS GROUP CLUSTERING BASED ON CROSS-POST GRAPH

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Jennifer Chayes 3863 E. Olive Street Seattle, Washington 98122

Christian H. Borgs 3863 E. Olive Street Seattle, Washington 98122

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Assignee:

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

Page 1 of 3

PATENT REEL: 014243 FRAME: 0671

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number:

Filing Date:

Inventorship: Jennifer Chayes, et al. Applicant: Microsoft Corporation

Attorney's Docket No.: MSFTP467US MS Docket No.:

MS303621.1

Title:

NEWS GROUP CLUSTERING BASED ON CROSS-POST GRAPH

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "NEWS GROUP CLUSTERING BASED ON CROSS-POST GRAPH" 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

Page 2 of 3

PATENT REEL: 014243 FRAME: 0672

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number: Filing Date: Inventorship:

Inventorship: Applicant: Attorney's Docket No.: MS Docket No.:	Jennifer Chayes, et al. Microsoft Corporation MSFTP467US MS303621.1
Title:	NEWS GROUP CLUSTERING BASED ON CROSS-POST GRAPH
required for the makir	ng and prosecution of applications for United States and foreign letters
patent on said inventi	ion, for litigation regarding said letters patent, or for the purpose of
	nvention or letters patent therefore.
6/23/03 Date	Jennifer Chayes
6/23/03 Date	Christian H. Borgs
6/23/03 Date	Amin Sabera AM
Date	Mohammad Mahdian

Applicant: ** Attorney's Docket No.: MS Docket No.:	MS303621.1
Title:	NEWS GROUP CLUSTERING BASED ON CROSS-POST GRAPH
required for the makir	g and prosecution of applications for United States and foreign letters
patent on said invent	on, for litigation regarding said letters patent, or for the purpose of
protecting title to said i	nvention or letters patent therefore.
Date	Jennifer Chayes
Date	Christian H. Borgs
Date	Amin Saberi
6/24/03 Date	Mohammad Mahdian

RECORDED: 06/24/2003

PATENT REEL: 014243 FRAME: 0674