REC 102465283 To The Honorable Commissioner of Patents and Trageman inal documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Kuldeep Karnawat May 27, 2003 Name: Microsoft Corporation First Assignor Date of Execution Street Address: One Microsoft Way Thomas D. White May 27, 2003 Second Assignor Date of Execution City: Redmond Mark B. Mydland May 27, 2003 State: Washington ZIP 98052 Third Assignor Date of Execution Additional name(s) & address attached? TYES NO Steven C. Fox May 27, 2003 3. Nature of Conveyance (check only one): Fourth Assignor Date of Execution New Assignment Merger Thomas A. Taylor May 27, 2003 License Agreement Security Agreement Fifth Assignor Date of Execution Change of Name Other: Cross-reference of Assignment filed in United States Sixth Assignor Date of Execution , recorded on Application No. / , at Reel No. and Frame No. Additional name(s) of conveying party(ies) attached? ☐ YES ☒ NO 4. Identification of Application number(s), patent number(s) OR date of execution of application to which assignment refers: Application Nos.: Patent Nos.: Date application was signed by the first named executing inventor May 27, 2003 (Fill-in this date only if assignment is filed together with a new application) 5. Name and address of party to whom correspondence concerning documents should be mailed: 6. Total number of applications and patents involved: One (1) Name: Kenneth R. Eiferman 7. Total fee (37 CFR 3.41): \$40.00 WOODCOCK WASHBURN LLP One Liberty Place - 46th Floor Authorized to be charged to Deposit Account Number Philadelphia, Pennsylvania 19103-7301 215-568-3100 8. Please charge any deficiency or credit any overpayment to **Deposit Account Number 23-3050** DO NOT USE THIS SPACE 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. Kenneth R. Eiferman/Reg. No. 51,647 Name of Person Signing/Reg. No. Total number of pages including cover sheet, assignment document and additional pages attached thereto: 4 Mail documents to be recorded with required cover sheet information to: Mail Stop Assignment Recordation Services /04/2003 TDIAZ1 00000056 10446537 Commissioner for Patents P.O. Box 1450 01 FC:8021 40.00 DP Alexandria, VA 22313-1450

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventorsh	pKuldeep Karnawat, Thomas D. V	Vhite, Mark B. Mydland, Steven C. Fox and
Thomas A.	Taylor	•
Applicant.	~	Microsoft Corporation
Attorney's Docket No.		MSFT-1534/302553.1
Title: SYS	SYSTEM AND METHOD FOR MEASURING AND IMPROVING SEARCH RESULT	
REI	LEVANCE BASED ON USER SATIS	SFACTION

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Kuldeep Karnawat 14620 Northeast 40th Street – Apt. S409 Bellevue, Washington 98007

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Assignee:

Microsoft Corporation
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One Microsoft Way
Redmond, WA 98052

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled 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.

0 5/27/2003

Kuldeen Karnawat

5/27/03

Thomas D. White

5/27/03

Mark B. Mydland

05/27/03

, ,

Thomas A. Taylor

RECORDED: 05/28/2003