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U.S. DEPARTMENT OF  
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Attorney Docket No. 16-384

J1000 U.S. PTO  
10/444829  
05/23/03

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy thereof.

1. Name of conveying party(ies): <b>S-23-03</b> Surajit Chaudhuri and Nicolas Bruno	2. Name and address of receiving party(ies): Microsoft Corporation One Microsoft Way Redmond, WA 98052 <b>Express Mail Label No. EV230372745215</b>
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: <u>May 16, 2003</u>	I hereby certify that this paper is being deposited today with the U.S. Postal Service as Express Mail addressed to the Assistant Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on <u>5/23/03</u> By: <u>[Signature]</u>

4. Application number(s) or patent number(s): <b>10444829</b> If this document is being filed together with a new application, the execution date of the application is: <u>May 16, 2003</u> A. Patent Application No(s): B. Patent No(s):
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5. Name and address of party to whom correspondence concerning document should be mailed: Jennifer Nock Hinton WATTS, HOFFMANN, FISHER & HEINKE CO., L.P.A. 1100 Superior Avenue, Ste. 1750 Cleveland, Ohio 44114-2518	6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 C.F.R. §§ 1.21(h), 3.41): <u>\$ 40.00</u> <input type="checkbox"/> Check included. <input checked="" type="checkbox"/> Authorized to be charged to deposit account. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to credit any overpayment or to charge any fee deficiencies under 37 C.F.R. § 1.21(h) to our deposit account. 8. Deposit account number: <u>23-0630</u>
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9. Statement and signature.  <i>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.</i>  Jennifer Nock Hinton, Reg. No. 47,653 Name of Person Signing  <u>[Signature]</u> Signature  May 23, 2003 Date
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Total number of pages including cover sheet, attachments, and document: 4

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PATENT  
REEL: 014113 FRAME: 0334

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Serial Number.....  
Filing Date..... concurrently herewith  
Inventorship..... Surajit Chaudhuri and Nicolas Bruno  
Applicant..... Microsoft Corporation  
Attorney's Docket No. .... 16-384  
Title: METHOD AND APPARATUS FOR GENERATING STATISTICS ON QUERY  
EXPRESSIONS FOR OPTIMIZATION

**PATENT ASSIGNMENT****PARTIES TO THE ASSIGNMENT****Assignor(s):**

Surajit Chaudhuri  
14909 N.E. 75<sup>th</sup> Court, Redmond, WA 98052

Nicolas Bruno  
15606 NE Fortieth Street, #S169, Redmond, WA 98052

**Assignee:**

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

**AGREEMENT**

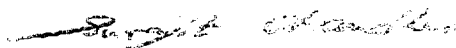
WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled  
"METHOD AND APPARATUS FOR GENERATING STATISTICS ON QUERY  
EXPRESSIONS FOR OPTIMIZATION," as described and claimed in the specification  
forming part of an application for United States letters patent referenced above;

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.

5/16/03

Date



Surajit Chaudhuri

5-16-03

Date



Nicolas Bruno