

06-01-2001

FORM PTO-18
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy thereof.

1. Name of conveying party(ies): 05/21/01
Surajit Chaudhuri, Vivek Narasayya and Gautam Das

2. Name and address of receiving party(ies):

Microsoft Corporation
One Microsoft Way
Redmond, WA 98052

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other:Execution Date: May 18, 2001I hereby certify that this paper is being deposited with the
U.S. Postal Service as Express Mail addressed to the
Assistant Commissioner for Patent, Washington, D.C. 205305/31/01
Harriet B. Buehler

4. 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: May 18, 2001

A. Patent Application No(s):

09/861960

B. Patent No(s):

5. Name and address of party to whom correspondence concerning document should be mailed:

Stephen J. Schultz
WATTS, HOFFMANN, FISHER & HEINKE CO., L.P.A.
1100 Superior Ave., Ste. 1750
Cleveland, Ohio 441146. Total number of applications and patents involved: 17. Total fee (37 C.F.R. §§ 1.21(h), 3.41): \$ 40.00☒ Enclosed.☐ Authorized to be charged to deposit account.☒ 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: 23-0630

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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.

Stephen J. Schultz, Reg. No. 29,108
Name of Person SigningStephen Schultz
SignatureMay 21, 2001
DateTotal number of pages including cover sheet, attachments, and document: 2Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks
BOX ASSIGNMENTS
Washington, D.C. 20231PTO
09/861960
05/21/01

ASSIGNMENT

WHEREAS, we, Surajit Chaudhuri, Vivek Narasayya and Guatam Das (hereinafter referred to as ASSIGNORS), having post office addresses of 14909 N.E. 75th Court, Redmond, Washington 98052, 8506 139th Ave. N.E., Redmond, Washington 98052 and 2521 276th Court N.E., Redmond, Washington 98053 respectively, are the joint inventors of an invention entitled "OPTIMIZATION BASED METHOD FOR ESTIMATING THE RESULTS OF AGGREGATE QUERIES," as described and claimed in the specification forming part of an application for United States letters patent filed concurrently herewith;

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, Washington 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;

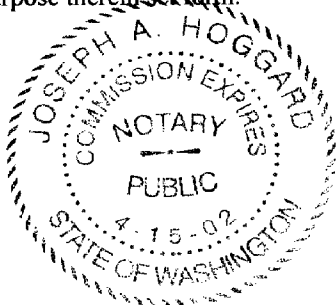
NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted 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 ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS 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.

Surajit Chaudhuri

Surajit Chaudhuri

State of WASHINGTON)
) SS
County of KING)

This 18 day of MAY, 2001, before me personally came the above-named Surajit Chaudhuri to me personally known as the individual who executed the foregoing assignment, and who acknowledged to me that he executed the same of his own free will for the purpose therein set forth.



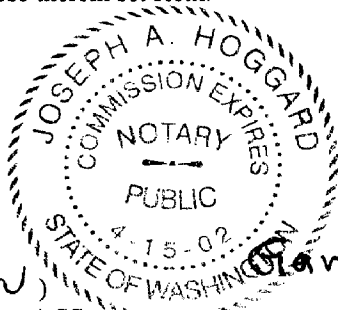
Joseph A. Hoggard
Notary Public

N.R. Narasayya

Vivek Narasayya

State of WASHINGTON)
) SS
County of KING)

This 18 day of MAY, 2001, before me personally came the above-named Vivek Narasayya to me personally known as the individual who executed the foregoing assignment, and who acknowledged to me that he executed the same of his own free will for the purpose therein set forth.

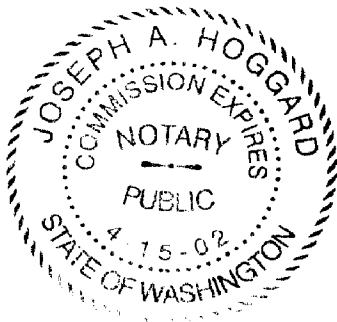


Joseph A. Hoggard
Notary Public

Gautam Das
~~Gautam Das~~

State of WASHINGTON)
) SS
County of KING)

This 18 day of MAY, 2001, before me personally came the above-named Gautam Das to me personally known as the individual who executed the foregoing assignment, and who acknowledged to me that he executed the same of his own free will for the purpose therein set forth.



Gautam
Joseph A. Hoggard
Notary Public