

05-24-2002

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- ☒ Assignment
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☐ Security Agreement
☐ Change of Name
☐ Other:

Conveying Party(ies)

1. Lili Qui
2. Paramvir Bahl
3. Atul Adya
- 4.
- 5.
- 6.

Execution Date(s)

May 13, 2002
 May 13, 2002
 May 13, 2002

☐ Mark if Additional Names of Conveying Parties Attached**Receiving Party**

Name Microsoft Corporation

Name

Address One Microsoft Way

Address

Address Redmond
CityWashington
State/Country98052
Zip Code☐ Mark if Additional Names of Receiving Parties Attached**Correspondent Name and Address**

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 Attorney Docket No.

Pages Enter the total number of pages of the attached conveyance document including any attachments: 6**Application Number(s) or Patent Number(s)**☐ Mark if additional numbers attached

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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. Charges to deposit account are authorized, as indicated herein.

Phillip M. Pippenger

Name of Person Signing

Signature

May 13, 2002

Date

05/23/2002 DBTRM 00000076 121216 10144518

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PATENT
 REEL: 012913 FRAME: 0883

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventorship QIU, et al.
Applicant Microsoft Corporation
Attorney's Docket No. 215107
Title: ADAPTIVE ALLOCATION OF LAST-HOP BANDWIDTH BASED ON MONITORING
OF END-TO-END THROUGHPUT

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Lili Qiu
15318 NE 13th Place, Apt. 2202
Bellevue, Washington, 98007

Paramvir Bahl
2221 271st Ct, SE
Sammamish, Washington, 98075

Atul Adya
14590 NE 35th Street, Apt. D204
Bellevue, Washington, 98007

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
" ADAPTIVE ALLOCATION OF LAST-HOP BANDWIDTH BASED ON MONITORING
OF END-TO-END THROUGHPUT," 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.

May 13, 2002
Date

W. L. Orr
Lili Qiu

Date

Paramvir Bahl

Date

Atul Adya

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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.

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