

FORM PTO-1619A
Expires 06/30/99
OMB 0651-0027

05-02-2001

U.S. Department of Commerce
Patent and Trademark Office
PATENT



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1c903 U.S. PTO
09/029880
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New

Resubmission (Non-Recordation)
Document ID # _____

Correction of PTO Error
Reel # _____ Frame # _____

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Conveyance Type

Assignment Security Agreement

License Change of Name

Merger Other _____

U.S. Government
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Departmental File Secret File

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Name (line 1) Execution Date
Month Day Year

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**Mail documents to be recorded with required cover sheet(s) information to:
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231**

PATENT
REEL: 011739 FRAME: 0515

Correspondent Name and Address

Area Code and Telephone Number

(202) 508-9100

Name Pamela I. Banner

Address (line 1) Banner & Witcoff, Ltd.

Address (line 2) 1001 G Street, N.W.

Address (line 3) Washington, D.C. 20001

Address (line 4)

Pages

Enter the total number of pages of the attached conveyance document including any attachments

8

Application Number(s) or Patent Number(s)

Mark if additional numbers attached.

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s) 09829880

Patent Number(s)

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year
04 03 2001

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number as not been assigned.

PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>
PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>

Number of Properties

Enter the total number of properties involved.

1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41):

\$ 40.00

Method of Payment:

Enclosed Deposit Account

Deposit Account

Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

19-0733

Authorization to charge additional fees:

Yes No

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

Bradley C. Wright

Name of Person Signing

Bradley C. Wright
Signature

April 11, 2001

Date

**RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY**

U.S. Department of Commerce
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PATENT

Conveying Party(ies)

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Execution Date
Month Day Year

Name (line 2)

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Receiving Party(ies)

Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)
City State/Country Zip Code

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)
City State/Country Zip Code

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Patent Application Number(s)

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U.S. PTO
09/829860
04/11/01

ASSIGNMENT

WHEREAS, we, Joseph M. Joy, Georgios Chrysanthakopoulos, Rajesh Sundaram, and Arvind Murching, (hereinafter referred to as ASSIGNORS), having post office addresses of 17219 NE 32nd Street, Redmond, WA 98052, 217 7th Avenue West, Kirkland, WA 98033, 13223 NE 92nd Way, Redmond, WA 98052, 1452 NE Jade Street, Issaquah, WA 98029 respectively, are the joint inventors of an invention entitled "METHOD AND APPARATUS FOR PROVIDING QUALITY-OF-SERVICE DELIVERY FACILITIES OVER A BUS," as described and claimed in the specification forming part of an application for United States letters patent executed 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, 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;

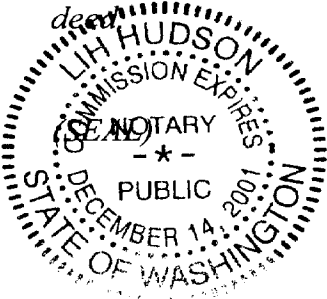
NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted 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.

{Add signature line and notarization block for EACH inventor}

Date April 3 '01 Inventor: Joseph M. Joy
Joseph M. Joy

STATE OF WASHINGTON)
COUNTY OF King) ss

On this 3rd day of April, 2001, before me a Notary Public in and for the County and State aforesaid, personally appeared Joseph M. Joy to me known and known to me to be the persons of those names, who signed and sealed the foregoing instrument, and acknowledged the same to be their free act and



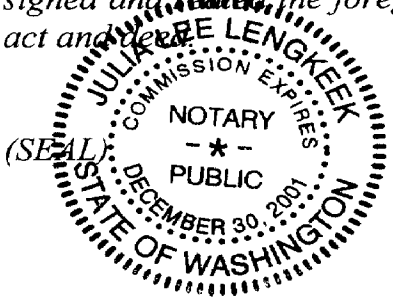
Lih Hudson
Notary Public

My Commission Expires: 12-14-2001

Date 4/5/2001 Inventor: *Georgios Chrysanthakopoulos*
Georgios Chrysanthakopoulos

STATE OF WASHINGTON)
COUNTY OF King)^{ss}

On this 5 day of April, 2001, before me a Notary Public in and for the County and State aforesaid, personally appeared Georgios Chrysanthakopoulos to me known and known to me to be the persons of those names, who signed and ~~sealed~~ the foregoing instrument, and acknowledged the same to be their free act and deed.



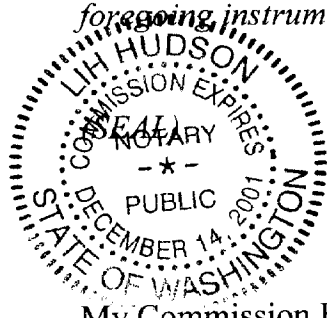
Julie Lee Lengkeek
Notary Public

My Commission Expires: 12-30-2001

Date 4-3-01 Inventor: ~~_____~~
Rajesh Sundaram

STATE OF WASHINGTON)
COUNTY OF King) ss

On this 3rd day of April, 2001, before me a Notary Public in and for the County and State aforesaid, personally appeared Rajesh Sundaram to me known and known to me to be the persons of those names, who signed and sealed the foregoing instrument, and acknowledged the same to be their free act and deed.



Lih Hudson
Notary Public

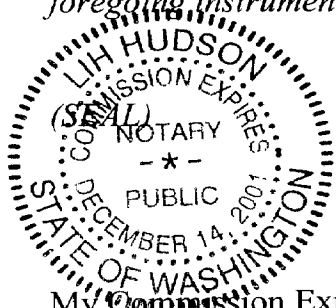
My Commission Expires: 12-14-2001

Date 4/3/01 Inventor: Arvind Murching

STATE OF WASHINGTON)

COUNTY OF King) ss

On this 3rd day of April, 2001, before me a Notary Public in and for the County and State aforesaid, personally appeared Arvind Murching to me known and known to me to be the persons of those names, who signed and sealed the foregoing instrument, and acknowledged the same to be their free act and deed.



Lih Hudson
Notary Public

My Commission Expires: 12-14-2001