Form PTO-1595 (Rev. 03/01) RECC 03 - 29 -	- 2002 T U.S. DEPARTMENT OF COMME U.S. Patent and Trademark Of
OMB No. 0651-0027 (exp. 5/31/2002)	
Tab settings	▼ ▼ ▼
To the Honorable Commissioner of P	6345 or one anached original documents or copy thereof.
1. Name of conveying party ides E Steven E. LUCCO Erik B. CHRISTENSEN Andrew J. LAYMAN David E. LEVIN Bradford H. LOVERING Henrik Frystyk NIELSON John P. SHEWCHUK	Name and address of receiving party(ies) Name: Mircosoft Corporation Internal Address:
Additional name of conveying party(ies) attached? ☐ Yes ☒ No	Street Address: One Microsoft Way
	City: Redmond State: WA Zip: 98052
3. Nature of conveyance:	Additional Name(s) & address(es) attached? Yes N
☐ Security Agreement ☐ Change of Name	
☐ Other	
Execution Date: February 20, 2002 and February 21, 2002	
A. Patent Application No.(s) 09/983,539 Additional numbers atta	B. Patent No.(s) ached? ☐ Yes ☒ No
Name and address of party to whom correspondence concerning this document should be mailed:	6. Total number of applications and patents involved: []
Name: Banner & Witcoff, Ltd.	7. Total fee (37 CFR 3.41) \$ 40.00
Internal Address:	
	☐ Enclosed
	☐ Enclosed ☐ Authorized to be charged to deposit account
	Authorized to be charged to deposit account
Street Address: 1001 G Street N.W. 11 th Floor	_
Street Address: 1001 G Street, N.W., 11 th Floor	Authorized to be charged to deposit account
Street Address: 1001 G Street, N.W., 11 th Floor City: Washington State: DC Zip: 20001-4597	Authorized to be charged to deposit account 8. Deposit account number: 19-0733
City: Washington State: DC Zip: 20001-4597	Authorized to be charged to deposit account 8. Deposit account number: 19-0733
City: Washington State: DC Zip: 20001-4597 DO NOT USE	Authorized to be charged to deposit account 8. Deposit account number: 19-0733 (Attach duplicate copy of this page if paying by deposit acco
City: Washington State: DC Zip: 20001-4597 DO NOT USE 9. Statement and signature.	Authorized to be charged to deposit account 8. Deposit account number: 19-0733 (Attach duplicate copy of this page if paying by deposit acco
City: Washington State: DC Zip: 20001-4597 DO NOT USE 9. Statement and signature. To the best of my knowledge and belief, the foregoing inform is a true copy of the original document.	Authorized to be charged to deposit account 8. Deposit account number: 19-0733 (Attach duplicate copy of this page if paying by deposit account the second secon
City: Washington State: DC Zip: 20001-4597 DO NOT USE 9. Statement and signature. To the best of my knowledge and belief, the foregoing inform is a true copy of the original document. Bradley C. Wright Name of Person Signing	Authorized to be charged to deposit account 8. Deposit account number: 19-0733 (Attach duplicate copy of this page if paying by deposit acco THIS SPACE March 21, 2002 Signature Date
9. Statement and signature. To the best of my knowledge and belief, the foregoing inform is a true copy of the original document. Bradley C. Wright Name of Person Signing	Authorized to be charged to deposit account 8. Deposit account number: 19-0733 (Attach duplicate copy of this page if paying by deposit acco THIS SPACE March 21, 2002

PATENT

REEL: 012716 FRAME: 0815

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number	
Filing Date	
Inventorship	Steven E. Lucco, et al
Applicant	Microsoft Corporation
Attorney's Docket No.	003797 00213
MS Docket No.	

Title: RESOLVING VIRTUAL NETWORK NAMES

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Steven E. Lucco 10156 S.E. 16th Place Bellevue, WA 98004

Erik B. Christensen The Highlands Seattle, WA 98177

Andrew J. Layman 5261 148th Avenue, S.E. Bellevue, WA 98006

David E. Levin 5858 156th Avenue, NE Redmond, WA 98052

Bradford H. Lovering 317 W Highland Drive Seattle, WA 98119

Henrik Frystyk Nielson 501 W Olympic Place, Apt. 201 Seattle, WA 98119-3652

John P. Shewchuk 21604 NE 67th Street Redmond, WA 98053

Assignee:

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

> PATENT REEL: 012716 FRAME: 0816

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "RESOLVING VIRTUAL NETWORK NAMES," 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.

> PATENT REEL: 012716 FRAME: 0817

2/20/2007 Date	Steven E. Lucco
2 /20 /2002 Date	Erik B. Christensen
Feb. 20, 2002 Date	Andrew J. Layman
2-20-2002 Date	David E. Levin
2/20/2002 Date	Bradford H. Movering
2-20 - 7007 Date	Henrik Frystyk Nielsen
FeB 21, 2002 Date	John P. Shewchuk

RECORDED: 03/21/2002

PATENT REEL: 012716 FRAME: 0818