4/3/02

Form PTO-1595 (Rev. 03/01) 04 - 15	U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office
OMB No. 0651-0027 (exp. 5/31/2002)	THE SHIP SENS THE SENS THE SENS SHIP SENS
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To the Honorable Commissioner (10205	d original documents or copy thereof.
Name of conveying party(ies):	2. Name and address of receiving party(ies)
Paul Joseph Lyman Schottland Gaurav Raghu Dhawan	Name: Microsoft Corporation
David C. James	Internal Address:
Rajagopalan Badri Narayanan	16.
Additional name(s) of conveying party(ies) attached? Yes No	
3. Nature of conveyance:	120
Assignment 🖳 Merger	Street Address: One Microsoft Way
Security Agreement	Street Address:
Other	
Guioi	Podmond - WA - 98052
	City: Redmond State: WA Zip: 98052
Execution Date: 3/27/02; 3/29/02	Additional name(s) & address(es) attached? 📮 Yes 🛂 No
4. Application number(s) or patent number(s):	
If this document is being filed together with a new app	lication, the execution date of the application is: 3/27/02;
A. Patent Application No.(s)	B. Patent No.(s) 3/29/02
Additional numbers a	ttached? ☐ Yes ☑ No 10 116775
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Brian G. Hart, Reg. No. 44,421	7. Total fee (37 CFR 3.41)\$ 40.00
Name	☑ Enclosed
Internal Address: Lee & Hayes, PLLC	Envious d
SZEWDIE1-00030010-10116775	Authorized to be charged to deposit account
\	
40.00 GF	8. Deposit account number: 12-0769
Street Address: 421 West Riverside Avenue	12 6765
Suite 500	
	(Attach duplicate copy of this page if paying by deposit account)
City: Spokane State: WA Zip: 99201	(
DO NOT US	E THIS SPACE
9. Statement and signature.	
To the best of my knowledge and belief, the foregoing is a true copy of the original document.	information is true and correct and any attached copy
Brian G. Hart, Reg. No. 44,421	12 de 1 2 102
Name of Person Signing	Signature Date
	ver sheet, attachments, and documents: 30

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments

Washington, D.C. 20231

Recordation Form Cover Sheet PATENTS

Continuation of:

1. Name of conveying party(ies):

Martin Napier Dey Daniel Nicholas Joseph Drew Doyle S. Cronk Zhengkai Kenneth Pan Bruce W. Copeland

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

The state of the s

Inventorship Schottland et al.

Applicant Microsoft Corporation

Attorney's Docket No. MS1-1048US

MSDocket No. 190539.1

Title: Delta Replication of Source Files and Packages Across Networked Resources

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Paul Joseph Lyman Schottland 6056 150th Court NE Redmond, WA 98052

Gauray Raghu Dhawan 11418 105th PL NE Kirkland, WA 98033

David C. James 1028 233rd Pl. SW Bothell, WA 98021

Kajagopalan Badri Narayanan 4149 West Lake Sammamish Pkwy NE Redmond, WA 98052

Martin Napier Dey 628 W Lk Sammamish Pkwy NE Bellevue, WA 98008

Daniel Nicholas Joseph Drew 10 167th Place SW Bothell, WA 98012

Doyle S. Cronk 6210 105th Ave NE Kirkland, WA 98033

Zhengkai Kenneth Pan 9645 173rd PL NE Redmond, WA 98052

Bruce W. Copeland 25618 NE 100th Street Redmond, WA 98053

8 /2 #:62686266051

REEL: 012776 FRAME: 0114

Microsoft Corporation

Corporation in the State of Washington

One Microsoft Way

Redmond, WA 98052

<u>AGREEMENT</u>

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "Delta

Replication of Source Files and Packages Across Networked Resources," 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

Page 2 of 4

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.

3/27/2002 Days	Paul Joseph Lyman Schottland
Date	Gaurav Raghu Dhawan
Date	David C. James
Date	Kajagopalan Badri Narayanan
Date	Martin Napier Dey
Date	Daniel Nicholas Joseph Drew
Date:	Doyle S. Cronk

Page 3 of 4

Date	Zhengkai Kenneth Pan	
Date	Bruce W. Copeland	

EV052703628

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventorship	Schottland et al.
Applicant	
Attorney's Docket No.	
MSDocket No	

Title: Delta Replication of Source Files and Packages Across Networked Resources

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Paul Joseph Lyman Schottland 6056 150th Court NE Redmond, WA 98052

Gaurav Raghu Dhawan 11418 105th PL NE Kirkland, WA 98033

David C. James 1028 233rd Pl. SW Bothell, WA 98021

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Bruce W. Copeland 25618 NE 100th Street Redmond, WA 98053

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

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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

Page 2 of 4

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Date	Paul Joseph Lyman Schottland
3/27/2002	Chawa
Date	Gaurav Raghu Dhawan
Date .	David C. James
Date	Rajagopalan Badri Narayanan
Date	Martin Napier Dey
	water rapies bey
Date	Daniel Nicholas Joseph Drew

required for the making and prosecution of applications for United States and foreign letters

Page 3 of 4

Doyle S. Cronk

Date

Date	Zhengkai Kenneth Pan
Date	Bruce W. Copeland

EV052703628

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventorship Schottland et al.
Applicant Microsoft Corporation
Attorney's Docket No. MS1-1048US
MSDocket No. 190539 1
Title: Dolta Replication of Source Files and Packages Across Networked Resources

PATENT ASSICNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Paul Joseph Lyman Schottland 6056 150th Court NE Redword, WA 98052

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Bruce W. Copeland 25618 NE 100th Street Redmond, WA 98053

Page 1 of 1

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

ACREEMENT

WHEREAS, ASSIGNOR(5) (listed above) are inventor(s) of an invention entitled "Delta Replication of Source Files and Packages Across Networked Resources," 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(5) hereby sell, assign and transfer unto ASSIGNIE, 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, reliseues 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.

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Paul Joseph Lyman Schottland Date Caurav Raghu Dhawan Date Rajagopalan Badri Narayanan Date Martin Napier Dey Date Date Daniel Nicholas Joseph Drew

Page 3 of 4

3-27-2002 Date	Zhengkai Kennoth Pan
	Bruce W. Copeland

Page 4 of 4

IN THE UNDER STATES LATE AND TRADEMARK OFFICE

Title: Delta Replication of Source Files and Packages Across Networked Resources

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Paul Joseph Lyman Schottland 6056 150th Court NE Redmond, WA 98052

Gaurav Raghu Dhawan 11418 105th PL NE Kirkland, WA 98033

David C. James 1028 233rd Pl. SW Bothell, WA 98021

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Bruce W. Copeland 25618 NE 100th Street Redmond, WA 98053

Page 1 of 4

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

AGREEMENT

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Page 2 of 4

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Date	Paul Joseph Lyman Schottland	· -
Date	Gaurav Raghu Dhawan	-
Date	David C. James	-
3/27/2002_ Date	Rajagopalan Badri Narayaran	
Date	Martin Napier Dey	
	•	

Doyle S. Cronk

Date

Date

Daniel Nicholas Joseph Drew

Date	Zhengkai Kenneth Pan	,
Date	Ziengka Neitteut I an	
Date	Bruce W. Copeland	_

EV052703628

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventorship	Schottland et al.
Applicant	
Attorney's Docket No	MS1-1048US
MSDocket No	
Title: Delta Replication of Source Files and Packages Acro	ss Networked Resources

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Paul Joseph Lyman Schottland 6056 150th Court NE Redmond, WA 98052

Gaurav Raghu Dhawan 11418 105th PL NE Kirkland, WA 98033

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Zhengkai Kenneth Pan 9645 173rd PL NE Redmond, WA 98052

Bruce W. Copeland 25618 NE 100th Street Redmond, WA 98053

Page 1 of 4

TO 915093238979

<u>Assignee:</u>

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 "Delta Replication of Source Files and Packages Across Networked Resources," as described and claimed in the specification forming part of an application for United States letters patent referenced above;

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Page 2 of 4

PATENT

REEL: 012776 FRAME: 0131

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.

Date	Paul Joseph Lyman Schottland	
Date	Gaurav Raghu Dhawan	
Date	David C. James	
Date	Rajagopalan Badri Narayanan	
3/29/62 Date	Martin Napier Dey	
Date	Daniel Nicholas Joseph Drew	
Date	Doyle S. Cronk	

Page 3 of 4

Date	Zhengkai Kenneth Pan
Date	Bruce W. Copeland

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventorship	Schottland et al
Applicant	Microsoft Corporation
Attorney's Docket No.	MS1-1048US
MSDocket No	
Title: Delta Replication of Source Files and Packages Acros	

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Paul Joseph Lyman Schottland 6056 150th Court NE Redmond, WA 98052

Gaurav Raghu Dhawan 11418 105th PL NE Kirkland, WA 98033

David C. James 1028 233rd Pl. SW Bothell, WA 98021

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

AGREEMENT

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Page 2 of 4

PATENT

REEL: 012776 FRAME: 0135

Date

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Date	Paul Joseph Lyman Schottland			
Date	Course Packy Dhaves			
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Date	David C. James			
Date	Rajagopalan Badri Narayanan			
Date	Martin Napier Dey			
3/27/02	Ja Pa.)			
Date	Daniel Nicholas Joseph Drew			

Page 3 of 4

Doyle S. Cronk

Date	Zhengkai Kenneth Pan
Date	Bruce W. Copeland

EV052703628

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventorship	Schottland et al.
Applicant	
Attorney's Docket No.	
MSDocket No	
The rate is a second that it is	. A . NT 1 . 179 .

Title: Delta Replication of Source Files and Packages Across Networked Resources

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Paul Joseph Lyman Schottland 6056 150th Court NE Redmond, WA 98052

Gaurav Raghu Dhawan 11418 105th PL NE Kirkland, WA 98033

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Page 1 of 4

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

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PATENT

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	Dovle S. Cronk	

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Date

Zhengkai Kenneth Pan

3/27/2002

Bruce W. Copeland