# 502283239 03/22/2013

# PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the application number from 13804715 to 13833714 previously recorded on Reel 030048 Frame 0843. Assignor(s) hereby confirms the conveyance to Microsoft Corporation.

# **CONVEYING PARTY DATA**

Name	Execution Date
Philip W. Kelley	03/14/2013
Taylor Anthony Lafrinere	03/13/2013
Kevin Daniel Resnick	03/13/2013

# **RECEIVING PARTY DATA**

Name:	Microsoft Corporation
Street Address:	One Microsoft Way
City:	Redmond
State/Country:	WASHINGTON
Postal Code:	98052

# PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13833714

# **CORRESPONDENCE DATA**

**Fax Number**: 8013281707

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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Email: docketing@wnlaw.com, abrimhall@wnlaw.com

Correspondent Name: WORKMAN NYDEGGER/MICROSOFT

Address Line 1: 60 E. South Temple

Address Line 2: Suite 1000

Address Line 4: Salt Lake City, UTAH 84111

ATTORNEY DOCKET NUMBER:	13768.2284
NAME OF SUBMITTER:	J. LaVar Oldham

REEL: 030072 FRAME: 0833

PATENT

# Total Attachments: 11 source=13768\_2284\_Executed\_Assignment#page1.tif source=13768\_2284\_Executed\_Assignment#page2.tif source=13768\_2284\_Executed\_Assignment#page3.tif source=13768\_2284\_Executed\_Assignment#page4.tif source=13768\_2284\_Executed\_Assignment#page5.tif source=13768\_2284\_Executed\_Assignment#page6.tif source=13768\_2284\_Clean\_Coversheet#page1.tif source=13768\_2284\_Clean\_Recordation#page1.tif source=13768\_2284\_Clean\_Recordation#page2.tif source=13768\_2284\_Corrected\_Coversheet1#page1.tif source=13768\_2284\_Annotated\_Assignment#page1.tif

MS Docket No.: <u>338738.01</u> WN Docket No. 13768.2284

1	<u>Phil</u>	<u>ip W. Ke</u>	lley ("AS	SSIGNOR")	am 1	the origina	l invento	r or a	an or	igin	al joint
invento	of	subject	matter	("INVENT	ION")	disclosed	and/or	claim	ed ir	n a	patent
applicat	ion e	entitled " <u>I</u>	EFFICIEN <sup>®</sup>	T DVCS ST	ORAC	<u>SE SYSTEM</u> "	("APPLIC	ATION	"), wł	ich:	

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$\square$ was filed on	and was given Application
No	by the following Office
16	", 

Microsoft Corporation, a Washington Corporation, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S LEGAL REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known:

Application No.	Filing Date	Office	

Page 1 of 2

MS Docket No.: <u>338738.01</u> WN Docket No. 13768.2284

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, ASSIGNOR's entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

Philip W. Kelling	03/14/2013
Inventor's Signature	Date
Philip W. Kelley	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: <u>338738.01</u> WN Docket No. 13768.2284

I <u>Taylor Anthony Lafrinere</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>EFFICIENT DVCS STORAGE SYSTEM</u>" ("APPLICATION"), which:

$\boxtimes$	will	be	filed.	ASSIC	SNOR	here	by a	autho	orize	s, a	nd i	req	uests,
	ASSI	GNEI	E'S legal	repres	entati	ves, o	f the	Law	/ and	Cor	pora	te A	Affairs
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Application No.	Filing Date	Office	

Page 1 of 2

MS Docket No.: <u>338738.01</u>

WN Docket No. 13768.2284

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	·
Inventor's Signature	3/13/13 Date
Taylor Anthony Lafrinere	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: <u>338738.01</u> WN Docket No. 13768.2284

I <u>Kevin Daniel Resnick</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>EFFICIENT DVCS STORAGE SYSTEM</u>" ("APPLICATION"), which:

will	be	filed.	ASSIC	GNOR	here	by a	utho	rizes	s, an	d re	quests,
ASSI	GNE	E'S legal	repres	entati	ves, o	f the	Law	and	Corp	orate	Affairs
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App	licati	on No.	13/83	3,714	by th	e fol	lowir	ng C	ffice	US -	United
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	ASSI Depa Wasi here Appi State	ASSIGNED Departme Washingt here in Applicati States	ASSIGNEE'S legal Department, Mic Washington 980 here in parent Application No. States Patent	ASSIGNEE'S legal representation parameters (ASSIGNEE'S legal representation 98052 (ASSIGNEE) (ASSIG	ASSIGNEE'S legal representation Department, Microsoft Corpo Washington 98052 (ASSIGNEE here in parentheses (filed Application No. 13/833,714 States Patent and Trade	ASSIGNEE'S legal representatives, of Department, Microsoft Corporation Washington 98052 (ASSIGNEE'S LEG here in parentheses (filed on Application No. 13/833,714 by the States Patent and Trademark	ASSIGNEE'S legal representatives, of the Department, Microsoft Corporation, One Washington 98052 (ASSIGNEE'S LEGAL R here in parentheses (filed on Marc Application No. 13/833,714 by the fol States Patent and Trademark Off	ASSIGNEE'S legal representatives, of the Law Department, Microsoft Corporation, One Mic Washington 98052 (ASSIGNEE'S LEGAL REPRE here in parentheses (filed on March 1 Application No. 13/833,714 by the followin States Patent and Trademark Office)	ASSIGNEE'S legal representatives, of the Law and Department, Microsoft Corporation, One Microsoft Washington 98052 (ASSIGNEE'S LEGAL REPRESENT here in parentheses (filed on March 15, Application No. 13/833,714 by the following Country States Patent and Trademark Office) this	ASSIGNEE'S legal representatives, of the Law and Corp Department, Microsoft Corporation, One Microsoft Wa Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIV here in parentheses (filed on March 15, 2013 Application No. 13/833,714 by the following Office	will be filed. ASSIGNOR hereby authorizes, and red ASSIGNEE'S legal representatives, of the Law and Corporate Department, Microsoft Corporation, One Microsoft Way, Red Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to here in parentheses (filed on March 15, 2013 and Application No. 13/833,714 by the following Office US – States Patent and Trademark Office) this APPLICA Application No., filing date, and Office, when known;

was filed on _	and was given Application
No	by the following Office
"	n,

Microsoft Corporation, a Washington Corporation, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

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Page 1 of 2

MS Docket No.: <u>338738.01</u> WN Docket No. 13768.2284

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Kevin Daniel Resnick	Pate
Printed Name in English P	rinted Name in Native Language if other than English)

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

# **CONVEYING PARTY DATA**

Name	Execution Date
Philip W. Kelley	03/14/2013
Taylor Anthony Lafrinere	03/13/2013
Kevin Daniel Resnick	03/13/2013

# **RECEIVING PARTY DATA**

Name:	Microsoft Corporation
Street Address:	One Microsoft Way
City:	Redmond
State/Country:	WASHINGTON
Postal Code:	98052

# PROPERTY NUMBERS Total: 1

	Property Type	Number
ľ	Application Number:	13804715

# CORRESPONDENCE DATA

Fax Number: 8013281707

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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Address Line 4: Salt Lake City, UTAH 84111

ATTORNEY DOCKET NUMBER:	13768.2284
NAME OF SUBMITTER:	J. LaVar Oldham

Total Attachments: 10

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**PATENT** 

**REEL: 030072 FRAME: 0841** 



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MARCH 21, 2013

PTAS

WORKMAN NYDEGGER/MICROSOFT 60 E. SOUTH TEMPLE SUITE 1000 SALT LAKE CITY, UT 84111 502278980

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT RECORDATION BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE ASSIGNMENT RECORDATION BRANCH AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT RECORDATION BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 03/20/2013 REEL/FRAME: 030048/0843

NUMBER OF PAGES: 12

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 13768.2284

ASSIGNOR:

KELLEY, PHILIP W. DOC DATE: 03/14/2013

ASSIGNOR:

LAFRINERE, TAYLOR ANTHONY DOC DATE: 03/13/2013

ASSIGNOR:

RESNICK, KEVIN DANIEL DOC DATE: 03/13/2013

ASSIGNEE:

MICROSOFT CORPORATION ONE MICROSOFT WAY REDMOND, WASHINGTON 98052

APPLICATION NUMBER: 13804715 FILING DATE: PATENT NUMBER: ISSUE DATE:

TITLE: SELECTION AND DISPLAY OF ALTERNATIVE SUGGESTED SUB-STRINGS IN A

**QUERY** 

P.O. Box 1450, Alexandria, Virginia 22313-1450 - WWW.USPTO.GOV PATENT

REEL: 030072 FRAME: 0842

ASSIGNMENT RECORDATION BRANCH PUBLIC RECORDS DIVISION

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

# **CONVEYING PARTY DATA**

Name	Execution Date
Philip W. Kelley	03/14/2013
1 4 7 10 7 11 14 15 15 15 15 15 15 15 15 15 15 15 15 15	03/13/2013
Kevin Daniel Resnick	03/13/2013

# **RECEIVING PARTY DATA**

Name:	Microsoft Corporation	
Street Address:	One Microsoft Way	
City:	Redmond	
State/Country:	WASHINGTON	
Postal Code:	98052	

# PROPERTY NUMBERS Total: 1

Property Type		The second second
Application Number:	<del>43804745-</del> 13833714	-

# **CORRESPONDENCE DATA**

Fax Number:

8013281707

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone:

801-533-9800

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docketing@wnlaw.com, abrimhall@wnlaw.com

Correspondent Name:

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Address Line 1:

60 E. South Temple

Address Line 2:

**Suite 1000** 

Address Line 4:

Salt Lake City, UTAH 84111

ATTORNEY DOCKET NUMBER:

13768.2284

NAME OF SUBMITTER:

J. LaVar Oldham

Total Attachments: 10

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# United States Patent And Trademark Office

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MARCH 21, 2013

PTAS

WORKMAN NYDEGGER/MICROSOFT 60 E. SOUTH TEMPLE SUITE 1000 SALT LAKE CITY, UT 84111 502278980

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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RECORDATION DATE: 03/20/2013

REEL/FRAME: 030048/0843

NUMBER OF PAGES: 12

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 13768.2284

ASSIGNOR:

KELLEY, PHILIP W.

DOC DATE: 03/14/2013

ASSIGNOR:

LAFRINERE, TAYLOR ANTHONY

DOC DATE: 03/13/2013

ASSIGNOR:

RESNICK, KEVIN DANIEL

DOC DATE: 03/13/2013

ASSIGNEE:

MICROSOFT CORPORATION ONE MICROSOFT WAY REDMOND, WASHINGTON 98052

APPLICATION NUMBER: 13804715 13833714

FILING DATE:

PATENT NUMBER:

ISSUE DATE:

TITLE: SELECTION AND DISPLAY OF ALTERNATIVE SUGGESTED SUB-STRINGS IN A QUERY

P.O. Box 1450, Alexandria, Virginia 22313-1450 - WWW.USPTO.GOV

PATENT

REEL: 030072 FRAME: 0845

**RECORDED: 03/22/2013**