502273477 03/15/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Shiv Rajpal	03/13/2013
Karan Mehra	03/13/2013
Andrew Herron	03/13/2013
Shi Cong	03/14/2013

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:	13829245

CORRESPONDENCE DATA

Fax Number: 8013281707

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

1

Phone: 8015339800 Email: dso@wnlaw.com

Correspondent Name: WORKMAN NYDEGGER/MICROSOFT
Address Line 1: 60 E. SOUTH TEMPLE, SUITE 1000
Address Line 4: SALT LAKE CITY, UTAH 84111

ATTORNEY DOCKET NUMBER:	13768.2279

NAME OF SUBMITTER: Adrian J. Lee

Total Attachments: 8

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PATENT REEL: 030021 FRAME: 0234 OP \$40,00 13829245

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PATENT REEL: 030021 FRAME: 0235

·	ocket No.: 338646.01 locket No.: 13768.2279
	ocket No.: 13768,2279
I Shiv Raipal ("ASSIGNOR") am the original invent	
nventor of subject matter ("INVENTION") disclosed and/outplication entitled " <u>VOLUME HAVING TIERS OF DIFFER</u> " "APPLICATION"), which:	or claimed in a paten
will be filed. ASSIGNOR hereby authorized 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 14, 201 Application No. 13/829,245 by the following States Patent and Trademark Office) this	Corporate Affairs Ift Way, Redmond, FATIVES), to insert IS and given Office US - United

was filed on	and was given Application
No	by the following Office
и	n.
	

Application No., filing date, and Office, when known;

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
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Page 1 of 2

MS Docket No.: 338646.01 WN Docket No.: 13768,2279

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).

bles by	3/13/2013
Inventor's Signature	Date
Shiv Rajpal	
Printed Name in English	Printed Name in Native Language (If other than English)

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Page 1 of 2

MS Docket No.: 338646.01 WN Docket No.: 13768,2279

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).

Inventor's Signature	03/18/2013 Date
Karan Mehra	
Printed Name in English	Printed Name in Native Language (if other than English)

	PATENT	ASSIGNMENT	MS Docket No.: 338646.01
			WN Docket No.: 13768,2279
1 <u>Ar</u>	ndrew Herron ("A	SSIGNOR") am the origir	nal inventor or an original joint
inventor of	subject matter	("INVENTION") disclosed	and/or claimed in a patent
application	entitled "VOLUM	E HAVING TIERS OF	DIFFERENT STORAGE TRAITS'
("APPLICATIO	ON"), which:		
\boxtimes	will be filed.	ASSIGNOR hereby au	thorizes, and requests,
•	ASSIGNEE'S legal	representatives, of the L	aw and Corporate Affairs
	Department, Micr	osoft Corporation, One I	Microsoft Way, Redmond,
			PRESENTATIVES), to insert
	here in parenth	eses (filed on March	14, 2013 and given
			lowing Office <u>US – United</u>
•			e) this APPLICATION's
	Application No., f	iling date, and Office, wh	nen known;
	was filed on	and was give	n Application
	No	by the following Offi	ice
	16	n.	
successors a entire and e (and all ot applications	and assigns ("ASSI exclusive rights, tit her applications	GNEE"), is entitled to, ar de and interest in the IN and patents derived t United States, its territo	ion, on behalf of itself and the APPLICATION herefrom, such as continuing pries, and all foreign countries
ASSIC	NOR hereby	authorizes, and re	quests, ASSIGNEE'S LEGAL
REPRESENTA	TIVES to insert t	he Application No., fil	ing date, and Office into the
following tal	ole for any APPLICA	TION DERIVATIVES after	they are known;
Application	No.	Filing Date	Office
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Page 1 of 2

PATENT REEL: 030021 FRAME: 0240

MS Docket No.: 338646.01 WN Docket No.: 13768.2279

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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).

Inventor's Signature	3 \ \ 3 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Andrew Herron	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT	ASSIGNMENT	MS Docket No.: 338646,01 WN Docket No.: 13768,2279
I Shi Cong ("ASSIGNATION of subject matter ("INVENTICE entitled "VOLUME HAVING TO which:	ON") disclosed and/or cla	
ASSIGNEE'S legal Department, Mic Washington 980! here in parent! Application No States Patent	ASSIGNOR hereby authorepresentatives, of the La rosoft Corporation, One Mose (ASSIGNEE'S LEGAL REProperties (Filed on March 13/829,245 by the following date, and Office, whe	w and Corporate Affairs licrosoft Way, Redmond, RESENTATIVES), to insert 14, 2013 and given owing Office US - United this APPLICATION's
	and was given by the following Offic	
Microsoft Corporation, successors and assigns ("ASSI entire and exclusive rights, till (and all other applications applications, in and for the ("APPLICATION DERIVATIVES")); ASSIGNOR hereby REPRESENTATIVES to insert to	GNEE"), is entitled to, and the and interest in the INV and patents derived the United States, its territorical authorizes, and required.	ENTION and the APPLICATION erefrom, such as continuing les, and all foreign countries uests, ASSIGNEE'S LEGAL
following table for any APPLICA		
Application No.	Filing Date	Office

Page 1 of 2

MS Docket No.: 338646.01 WN Docket No.: 13768.2279

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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).

Inventor's Signature

Data

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Shi Cong

Printed Name in English

Printed Name in Native Language

(if other than English)

Page 2 of 2