502164410 12/15/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Frank R. Morrison III	12/11/2012
Alexander Burba	12/07/2012
Brandon Hunt	12/10/2012
Matthew Wan	12/11/2012

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:	13715306

CORRESPONDENCE DATA

Fax Number: 4259367329

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

Phone: 425-707-9382

Email: vffiling@microsoft.com

Correspondent Name: Assal Meftahi
Address Line 1: One Microsoft Way

Address Line 2: Patent Group Docketing Dept
Address Line 4: Redmond, WASHINGTON 98052

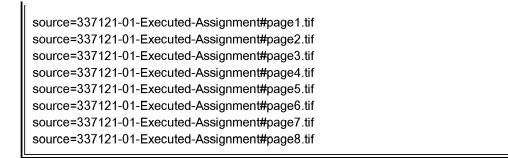
ATTORNEY DOCKET NUMBER: 337121.01

NAME OF SUBMITTER: Gopal Sharma

Total Attachments: 8

PATENT REEL: 029476 FRAME: 0272 H \$40,00 137153(

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PATENT REEL: 029476 FRAME: 0273

MS Docket No.: 337121.01 I Frank R. Morrison III ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application_entitled_"MANAGED_P2P_NETWORK_WITH_CONTENT_DELIVERY_NETWORK" ("APPLICATION"), which: will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to Insert 14-DEC-2012 here in parentheses (filed on 13/715306 Application No. following Office bv the US Patent and Trademark Office this APPLICATION'S Application No., filing date, and Office, when known; was filed on _____ and was given Application No by the following Office 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

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);

MS Docket No.: 337121.01

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).

11	12 [11] [2
Inventor's Signature	Date
Frank R. Morrison III	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT MS Docket No.: 337121.01

l <u>Alex</u>	ander Burba ("ASS	SIGNOR") am the origina	l inventor or an original joint
		-	and/or claimed in a patent
application 6	entitled "MANAGE	P2P NETWORK WITH C	ONTENT-DELIVERY NETWORK"
("APPLICATIO	N"), which:		
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	***	osoft Corporation, One N	•
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successors a entire and e (and all oth applications,	nd assigns ("ASSIC xclusive rights, tit ner applications	GNEE"), is entitled to, and interest in the INV and patents derived the	on, on behalf of itself and its dis desirous of acquiring, the /ENTION and the APPLICATION erefrom, such as continuing fies, and all foreign countries
ASSIC	NOR hereby	authorizes, and req	uests, ASSIGNEE'S LEGAL
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PATENT REEL: 029476 FRAME: 0276

MS Docket No.: <u>337121.01</u>

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Yander C. Bush	12/7/2012
Inventor's Signature	Date
Alexander Burba	Александр Бурба
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT MS Docket No.: 337121.01

I <u>Brar</u>	<u>ıdon Hunt</u> ("ASSIC	SNOR") am the original i	nventor or an original joint	
inventor of	subject matter ("INVENTION") disclosed	and/or claimed in a patent	
application (entitled " <u>MANAGEI</u>	P2P NETWORK WITH CO	ONTENT-DELIVERY NETWORK	
("APPLICATIO	N"), which:			
\boxtimes	will be filed.	ASSIGNOR hereby author	orizes, and requests,	
	ASSIGNEE'S legal	representatives, of the Lav	v and Corporate Affairs	
	Department, Microsoft Corporation, One Microsoft Way, Redmond,			
	Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert			
	here in parenth	eses (filed on14-DEC	and given	
	Application No.		the following Office	
	US Patent and Trac	demark Office th	nis APPLICATION's	
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Page 1 of 2

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to

MS Docket No.: <u>337121.01</u>

INVENTION and the APPLICATION (and APPLICATION DERIVATIVES):

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the ASSIGNEE, ASSIGNOR's entire and exclusive rights, title and interest in the

	12/10/12
Inventor's Signature	Date
Brandon Hunt	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT MS Docket No.: 337121.01

inventor of subject matter (application entitled "MANAGEI ("APPLICATION"), which: will be filed. ASSIGNEE'S legal Department, Micr Washington 9805 here in parenth Application No. US Patent and Trace	("INVENTION") disclosed	ONTENT-DELIVERY NETWORK" norizes, and requests, w and Corporate Affairs icrosoft Way, Redmond, RESENTATIVES), to insert C-2012 and given the following Office his APPLICATION's
	and was given by the following Office ";	Application No
Microsoft Corporation, successors and assigns ("ASSIGE entire and exclusive rights, tit (and all other applications applications, in and for the U("APPLICATION DERIVATIVES"));	GNEE"), is entitled to, and le and interest in the INV and patents derived the United States, its territori	ENTION and the APPLICATION erefrom, such as continuing
ASSIGNOR hereby REPRESENTATIVES to insert t following table for any APPLICA	he Application No., filin	
Application No.	Filing Date	Office

Page 1 of 2 **PATENT REEL: 029476 FRAME: 0280**

MS Docket No.: 337121.01

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Inventor's Signature Date

Matthew Wan

Printed Name in English Printed Name in Native Language

(if other than English)