## 504074701 10/31/2016

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
JOHN CAMPBELL	10/31/2016
JIM SUN	10/31/2016
SAMUEL C. RADAKOVITZ	10/31/2016
MATTHEW HART FICHTNER	10/31/2016
CHRISTIAN CANTON	10/31/2016

#### RECEIVING PARTY DATA

Name:	MICROSOFT TECHNOLOGY LICENSING, LLC	
Street Address:	ONE MICROSOFT WAY	
City:	REDMOND	
State/Country:	WASHINGTON	
Postal Code:	98052	

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15339245

#### CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

**Phone:** 612-332-5300

Email: usdocket@microsoft.com

Correspondent Name: MERCHANT & GOULD (MICROSOFT)

Address Line 1: P.O. BOX 2903

Address Line 4: MINNEAPOLIS, MINNESOTA 55402-0903

ATTORNEY DOCKET NUMBER: 14917.3006USU1/361291.01

NAME OF SUBMITTER: KATHLEEN E. OTT

SIGNATURE: /Kathleen E. Ott/

DATE SIGNED: 10/31/2016

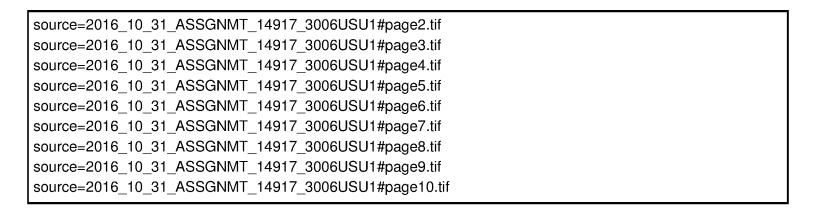
**Total Attachments: 10** 

source=2016\_10\_31\_ASSGNMT\_14917\_3006USU1#page1.tif

PATENT REEL: 040177 FRAME: 0377

EPAS ID: PAT4121368

504074701



PATENT REEL: 040177 FRAME: 0378

inventor of	subject matter		nal inventor or an original ed and/or claimed in a p )N"), which:	
	ASSIGNEE'S legal LLC, One Microso LEGAL REPRESEN on No. Patent and Trade	representative, Micro oft Way, Redmond, Was oft Way, Redmond, Was oft Insert of Insert	authorizes, and requests, soft Technology Licensing, hington 98052 (ASSIGNEE'S nere in parentheses (filed given Application Office <u>US – United States</u> ICATION's Application No.,	
	No	and was gi by the following C 		
behalf of its desirous of a right of prior patents deriv	elf and its succe acquiring, the ent ity, in the INVENT red therefrom, suc ted States, its	ssors and assigns ("/ ire and exclusive right ION and the APPLICATI th as continuing applic	igton limited liability compan SSIGNEE"), is entitled to, a s, title and interest, includin ON (and all other application ations, in whole or in part, in oreign countries ("APPLICA	nd is g the s and n and
REPRESENTA	ΓΙVES to insert t		filing date, and Office into	EGAL the
Application N	lo.	Filing Date	Office	

Page 1 of 2

MS Docket No.: 361291.01

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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("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).

Δ	
<u> 16.22</u>	10-31-2016
Inventor's Signature	Date
John Campbell	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Jim Sun</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>VIDEO ON CHARTS</u>" ("APPLICATION"), which:

X	will	be	filed.	ASSIGNO	R	hereby	auth	orizes,	and	req	uests,
	ASSI	GNEI	E'S legal	represen	tativ	/e, Micr	osoft	Techn	ology	Lice	nsing,
	LLC,	One	Microso	oft Way, Re	dm	ond, Wa	shing	iton 98	052 (4	ASSIC	NEE'S
	LEG/	AL R	EPRESEN	ITATIVES),	to	insert	here	in pa	renthe	eses	(filed
	on				_	and		given	A	Appli	cation
	No.			by th	e f	ollowing	g Offi	ce <u>US</u>	<u> </u>	ted	<u>States</u>
	<u>Pate</u>	nt ar	nd Trade	<u>emark Offi</u>	<u>ce</u> )	this API	PLICA	TION's	Applio	catio	n No.,
	filing	g dat	e, and C	office, whe	n kr	nown;					
	was	filed	on		_ ar	nd was g	given .	Applica	tion		
	No_			by the	e fo	llowing	Office	<b>)</b>			
	"					<u>",</u>					

Microsoft Technology Licensing, LLC, a Washington limited liability company, 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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, 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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("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).

M	[*/3]/20/*
hventor's Signature	Date
lim Sun	
Printed Name in English	Printed Name in Native Language
	(if other than English)

# PATENT ASSIGNMENT MS Docket No.: 361291.01

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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("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).

20	10/31/16
Inventor's Signature	Date
Samuel C. Radakovitz	
Printed Name in English	Printed Name in Native Language
	(if other than English)

# PATENT ASSIGNMENT MS Docket No.: 361291.01

			iginal inventor or an original
=	•		d and/or claimed in a patent
application e	ntitled " <u>VIDEO ON</u>	CHARTS" ("APPLICATION"),	, which:
	ASSIGNEE'S legal LLC, One Microsof LEGAL REPRESENT on No. Patent and Trade	ASSIGNOR hereby auth representative, Microsoft ft Way, Redmond, Washing TATIVES), to insert here and by the following Offimark Office) this APPLICATICE, when known;	Technology Licensing, gton 98052 (ASSIGNEE'S in parentheses (filed given Application ce <u>US – United States</u>
	was filed on	and was given	Application
Ш		_	
		by the following Office ".	
		,	
desirous of a right of prior patents deriv for the Un DERIVATIVES	acquiring, the enting ity, in the INVENTI ved therefrom, such ited States, its to "));	re and exclusive rights, ti ON and the APPLICATION of h as continuing application territories, and all forei	GNEE"), is entitled to, and is tle and interest, including the (and all other applications and ns, in whole or in part, in and gn countries ("APPLICATION
	TIVES to insert t	,	uests, ASSIGNEE'S LEGAL g date, and Office into the ney are known;
Application N	No.	Filing Date	Office
			į

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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("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).

Mattorium Inventorius Signature	
Matthew Hart Fichtner Printed Name in English	Printed Name in Native Language (if other than English)

# PATENT ASSIGNMENT MS Docket No.: 361291.01

I <u>Christian Canton</u> ("AS:	SIGNOR") am the original	inventor or an original joint	
inventor of subject matter (	"INVENTION") disclosed	and/or claimed in a patent	
application entitled " <u>VIDEO ON</u>	CHARTS" ("APPLICATION"),	, which:1	
oxtimes will be filed.	ASSIGNOR hereby auth	orizes, and requests,	
ASSIGNEE'S legal	representative, Microsoft	Technology Licensing,	
LLC, One Microso	ft Way, Redmond, Washind	iton 98052 (ASSIGNEE'S	
LEGAL REPRESEN	TATIVES), to insert here	in parentheses (filed	
on	on and given Application  No by the following Office <u>US - United States</u>		
No			
	Patent and Trademark Office) this APPLICATION's Application No.,		
filing date, and Office, when known;			
_			
$\square$ was filed on	and was given	Application	
	by the following Office		
u		-	
	,		
Microsoft Technology Lie	censing, LLC, a Washingto	n limited liability company, on	
behalf of itself and its succe			
desirous of acquiring, the enti	<del>-</del>		
right of priority, in the INVENTI		•	
patents derived therefrom, suc		• •	
for the United States, its	<u> </u>	•	
DERIVATIVES"));	territories, and an rorei	gii countries (/ii/Lie/thort	
DERITO (114 LS 7),			
ASSIGNOR hereby	authorizes, and requ	uests, ASSIGNEE'S LEGAL	
REPRESENTATIVES to insert t	•	•	
following table for any APPLICA			
Application No.	Filing Date	Office	
	_ · · · · · · · · · · · · · · · · · · ·		

Page 1 of 2

MS Docket No.: 361291.01

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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("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).

000	· 31 Or 2016	
Inventor's Signature	Date	
Christian Canton		
Printed Name in English	Printed Name in Native Language (if other than English)	