503060887 11/13/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3107489

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SANDEEP BHARA	07/22/2014
ALEXANDRA KEELEY BUNTING	04/23/2014
PHILIP ROBERT HARRISON	07/28/2014
THOMAS JAMES MEJIAS STOTT	04/15/2014
STRUAN ANDREW ROBERTSON	07/22/2014
GREG SAUL	06/13/2014
LEE JASON SCHUNEMAN	06/02/2014
JAMES WILLIAM SCOTT	04/10/2014
NAVTEJ SUNNER	05/30/2014
JONATHAN LESLIE VENABLES	04/10/2014
NICOLAS VILLAR	06/24/2014
HAIYAN ZHANG	04/22/2014

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:	14204740

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: 425-707-9382

Email: mkey@zetelaw.com

Correspondent Name: MICROSOFT CORPORATION

Address Line 1: ONE MICROSOFT WAY

Address Line 4: REDMOND, WASHINGTON 98052

PATENT REEL: 034167 FRAME: 0411

503060887

ATTORNEY DOCKET NUMBER: 340853.01		
NAME OF SUBMITTER: MACLANE C. KEY		
SIGNATURE:	/MacLane C. Key/	
DATE SIGNED:	11/13/2014	
Total Attachments: 24		
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> PATENT REEL: 034167 FRAME: 0412

MS Docket No.:	340853.01

I <u>Sandeep BHARA</u> ("ASS inventor of subject matter (application entitled " <u>A MODUL/</u> ("APPLICATION"), which:	"INVENTION") disclosed	and the contract of the contra
ASSIGNEE'S legal : Department, Micro Washington 9805 here in parenth Application No	ASSIGNOR hereby authorepresentatives, of the Landsoft Corporation, One M. (ASSIGNEE'S LEGAL REPRESES (filed on).	w and Corporate Affairs icrosoft Way, Redmond, iESENTATIVES), to insert and given by the following this APPLICATION's
	<u>1 11, 2014</u> and was given e following Office " <u>USPTO</u> "	
Microsoft Corporation, a successors and assigns ("ASSIC entire and exclusive rights, till INVENTION and the APPLICAT therefrom, such as continuing States, its territories, and all for	INEE"), is entitled to, and le and interest, including ION (and all other appl applications, in whole or	y the right of priority, in the ications and patents derived in part, in and for the United
ASSIGNOR hereby REPRESENTATIVES to insert the		uests, ASSIGNEE'S LEGAL g date, and Office into the
following table for any APPLICA	TION DERIVATIVES after th	ney are known;
Application No.	Filing Date	Office
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Page 1 of 2

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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).

1/2	22/7/14
nventor's Signature	Date
iandeep BHARA	SANDTER SHARA
rinted Name in English	Printed Name in Native Language (if other than English)

NAP PROBLEM NEW / 14/70E 2 OF

MS Docket No.: <u>340853.01</u>

I <u>Alexandra Keeley BU</u> original joint inventor of subje patent application entitled " <u>A</u> SOFTWARE" ("APPLICATION"), wi	ct matter ("INVENTION") (MODULAR CONSTRUCTI	·
· · · · · //		
ASSIGNEE'S legal repartment, Micro Washington 98052 here in parenthe Application No	ASSIGNOR hereby auth representatives, of the Lavosoft Corporation, One Mic (ASSIGNEE'S LEGAL REPRESES (filed on).	v and Corporate Affairs crosoft Way, Redmond, ESENTATIVES), to insert and given by the following) this APPLICATION's
	<u>n 11, 2014</u> and was given e following Office " <u>USPTO</u> "	
Microsoft Corporation, a successors and assigns ("ASSIC entire and exclusive rights, tit INVENTION and the APPLICAT therefrom, such as continuing States, its territories, and all for	ONEE"), is entitled to, and le and interest, including ION (and all other appl applications, in whole or	g the right of priority, in the ications and patents derived in part, in and for the United
ASSIGNOR hereby	authorizes, and requ	uests, ASSIGNEE'S LEGAL
REPRESENTATIVES to insert the		
following table for any APPLICA Application No.	Filing Date	Office
Application ivo.	rining Date	Office

	MS Docket No.:	340853.01

a K Buntina	23/04/2014
Inventor's Signature	Date
Alexandra Keeley BUNTING	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: <u>340853.01</u>

l <u>Phil</u>	ip Robert HARRISC	<u>ON</u> ("ASSIGNOR") am the o	original inventor or an origina
_	_		d and/or claimed in a paten
application e	ntitled " <u>A MODULA</u>	AR CONSTRUCTION FOR IN	NTERACTING WITH SOFTWARE
("APPLICATIO	N"), which:		
	will be filed.	ASSIGNOR hereby auth	orizes, and requests,
		representatives, of the La	•
		osoft Corporation, One M	•
	Washington 9805	2 (ASSIGNEE'S LEGAL REPR	ESENTATIVES), to insert
	here in parenth	eses (filed on	and given
	Application No),	by the following
	Office) this APPLICATION's
	Application No., f	ling date, and Office, whe	n known;
\square	was filed on Marc	<u>1 11, 2014</u> and was given	Application No
<u> </u>		e following Office "USPTO	
	17/207,/70 by Gi	e following office <u>our fo</u>	,
Micros	oft Corporation,	a Washington Corporatio	n, on behalf of itself and its
successors a	nd assigns ("ASSIC	GNEE"), is entitled to, and	l is desirous of acquiring, the
entire and e	xclusive rights, ti	de and interest, including	g the right of priority, in the
INVENTION a	and the APPLICAT	TON (and all other appl	ications and patents derived
therefrom, si	uch as continuing	applications, in whole or	in part, in and for the United
States, its ter	ritories, and all fo	reign countries ("APPLICAT	TION DERIVATIVES"));
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	•	•	g date, and Office into the
		TION DERIVATIVES after the	-
Application N		Filing Date	Office

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).

Planoul	July 28, 2014
Inventor's Signature	Date
Philip Robert HARRISON	
Printed Name in English	Printed Name in Native Language (if other than English)

MS Docket No.: 340853.01

MS Docket No.: 340853.01

I <u>Thomas James MEJIAS</u> original joint inventor of subjection application entitled "A <u>SOFTWARE</u> " ("APPLICATION"), w	ect matter ("INVENTION") o MODULAR CONSTRUCTI	·
ASSIGNEE'S legal Department, Micr Washington 9805 here in parenth Application No	ASSIGNOR hereby auth representatives, of the Lavosoft Corporation, One Mi (ASSIGNEE'S LEGAL REPReses (filed on)	v and Corporate Affairs crosoft Way, Redmond, ESENTATIVES), to insert and given by the following) this APPLICATION's
	<u>h 11, 2014</u> and was given e following Office " <u>USPTO</u> "	
Microsoft Corporation, successors and assigns ("ASSIGN entire and exclusive rights, to INVENTION and the APPLICATION therefrom, such as continuing States, its territories, and all for	GNEE"), is entitled to, and tle and interest, including TON (and all other appl applications, in whole or	y the right of priority, in the ications and patents derived in part, in and for the United
ASSIGNOR hereby REPRESENTATIVES to insert t following table for any APPLICA		g date, and Office into the
Application No.	Filing Date	Office

MS Docket No.: <u>340853.01</u>

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"));

Con Mayor	15/04/2014
Inventor's Signature	Date
Thomas James MEJIAS STOTT	
Printed Name in English	Printed Name in Native Language (if other than English)

MS Docket No.: 340853.01	

I <u>Struan Andrew ROBE</u> original joint inventor of subjection entitled "A <u>SOFTWARE</u> " ("APPLICATION"), w	ct matter ("INVENTION") of MODULAR CONSTRUCTI	
ASSIGNEE'S legal Department, Micr Washington 9805 here in parenth Application N	ASSIGNOR hereby auth representatives, of the Lav osoft Corporation, One Mi 2 (ASSIGNEE'S LEGAL REPR eses (filed on	v and Corporate Affairs crosoft Way, Redmond, ESENTATIVES), to insert and given by the following) this APPLICATION's
	<u>h 11, 2014</u> and was given ie following Office " <u>USPTO</u> "	
Microsoft Corporation, successors and assigns ("ASSI entire and exclusive rights, ti INVENTION and the APPLICA" therefrom, such as continuing States, its territories, and all fo	ONEE"), is entitled to, and tle and interest, including FION (and all other appl applications, in whole or	y the right of priority, in the Ications and patents derived in part, in and for the United
ASSIGNOR hereby REPRESENTATIVES to insert t following table for any APPLICA	he Application No., filin	
Application No.	Filing Date	Office Office
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Page 1 of 2

	N	AS Docket No.:	340853.01

12 July	22 - 7 - 2014
Inventor's Signature	Date
Struan Andrew ROBERTSON	
Printed Name in English	Printed Name in Native Language (if other than English)

MS Docket No.: 340853.01

<u> </u>	• • • • • • • • • • • • • • • • • • •	or or an original joint invento
of subject matter ("INVENTION		
entitled " <u>A MODULAR CON</u>	ISTRUCTION FOR INTE	<u>RACTING WITH SOFTWARE</u>
("APPLICATION"), which:		
\square will be filed.	ASSIGNOR hereby auth	orizes, and requests,
ASSIGNEE'S legal 1	representatives, of the Lav	v and Corporate Affairs
Department, Micro	osoft Corporation, One Mi	crosoft Way, Redmond,
Washington 98052	2 (ASSIGNEE'S LEGAL REPR	ESENTATIVES), to insert
here in parenthe	eses (filed on	and given
Application No),	by the following
Office) this APPLICATION's
Application No., fi	ling date, and Office, whe	n known;
🗵 was filed on <u>March</u>	<u>111, 2014</u> and was given	Application No
14/204,740 by the	e following Office " <u>USPTO</u> "	s. ,
Microsoft Corporation, a	a Washington Corporation	n, on behalf of itself and it
successors and assigns ("ASSIC	INEE"), is entitled to, and	is desirous of acquiring, the
entire and exclusive rights, tit	de and interest, including	g the right of priority, in the
INVENTION and the APPLICAT	ION (and all other appl	ications and patents derived
therefrom, such as continuing	applications, in whole or	in part, in and for the United
States, its territories, and all for	eign countries ("APPLICAT	TON DERIVATIVES"));
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following table for any APPLICA		<u> </u>
Application No.	Filing Date	Office

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).

Geo Saul	13/06/2014
Inventor's Signature	Date
Greg SAUL	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: 340853.01

MS Docket No.:	<u>340853.01</u>
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		ASSIGNOR hereby		
		representatives, of t rosoft Corporation, (•
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	Office) this A	PPLICATION'S
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successors a entire and e INVENTION therefrom, s States, its te	and assigns ("ASSII) exclusive rights, to and the APPLICA" uch as continuing rritories, and all for the action of	GNEE"), is entitled to tle and interest, inc FION (and all other applications, in who reign countries ("API authorizes, and	o, and is desiro cluding the right applications a ble or in part, in PLICATION DERIV requests, /	
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		Filing Date	1	
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Page 1 of 2

	MS Docket No.:	340853.01

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	02/06/14
Inventor's Silgnature	Date
Lee Jason SCHUNEMAN	LEE JASON SCHUNEMAN
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: <u>340853.01</u>

I <u>James William SCOTT</u> joint inventor of subject matte application entitled "A MODULA" ("APPLICATION"), which:	er ("INVENTION") disclose	•
ASSIGNEE'S legal of Department, Micro Washington 9805. here in parenthe Application No Office	ASSIGNOR hereby auth representatives, of the Lavosoft Corporation, One Mig (ASSIGNEE'S LEGAL REPReses (filed on).	v and Corporate Affairs crosoft Way, Redmond, ESENTATIVES), to insert and given by the following) this APPLICATION's
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SSA	10 April 2014
Inventor's Signature	Date
James William SCOTT	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: 340853.01

MS Docket No.: 340853.01

	PATENT ASSIGNMEN	IT
I <u>Navtel SUNNER</u> ("ASSIGNITY OF SUBJECT MATTER ("APPLICATION"), which:	'INVENTION") disclosed a	·
ASSIGNEE'S legal in Department, Micro Washington 9805 here in parenth Application No Office	ASSIGNOR hereby authorepresentatives, of the Lavosoft Corporation, One Mice (ASSIGNEE'S LEGAL REPRESES (filed on) ling date, and Office, where	v and Corporate Affairs crosoft Way, Redmond, ESENTATIVES), to insert and given by the following this APPLICATION's
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Page 1 of 2

PATENT REEL: 034167 FRAME: 0429

	MS Docket No.:	340853.01
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and the contract of the contra	30/5//4
Inventor's Signature	Date
Navtej SUNNER	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: 340853.01

l <u>Jonathan Leslie VENAB</u>	<u>LES</u> ("ASSIGNOR") am the o	original inventor or an original
joint inventor of subject matt	er ("INVENTION") disclose	d and/or claimed in a patent
application entitled "A MODUL	AR CONSTRUCTION FOR IN	ITERACTING WITH SOFTWARE"
("APPLICATION"), which:		
\square will be filed.	ASSIGNOR hereby auth	orizes, and requests,
ASSIGNEE'S legal	representatives, of the Lav	v and Corporate Affairs
Department, Micr	osoft Corporation, One Mi	crosoft Way, Redmond,
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Office) this APPLICATION's
Application No., f	iling date, and Office, whe	n known;
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oxtimes was filed on <u>Marc</u>	<u>h 11, 2014</u> and was given	Application No
14/204,740 by th	ie following Office " <u>USPTO</u> "	3. ,
Microsoft Corporation,	a Washington Corporation	n, on behalf of itself and its
successors and assigns ("ASSI	GNEE"), is entitled to, and	is desirous of acquiring, the
entire and exclusive rights, ti	tle and interest, including	g the right of priority, in the
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therefrom, such as continuing	applications, in whole or	in part, in and for the United
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ASSIGNOR hereby	authorizes, and requ	iests, ASSIGNEE'S LEGAL
REPRESENTATIVES to insert t	he Application No., filin	g date, and Office into the
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40	10/04/2014	
Inventor's Signature	Date	
Jonathan Leslie VENABLES		
Printed Name in English	Printed Name in Native Language	
	(if other than English)	

MS Docket No.: 340853.01

MS Docket	201	340853.01

I Nicolas VILLAR ("A	SSIGNOR") am the origina	l inventor or an original joint
inventor of subject matter		
application entitled "A MODUL		
("APPLICATION"), which:		
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	representatives, of the La	A CONTRACTOR OF A CONTRACTOR O
	osoft Corporation, One M	
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Page 1 of 2

	MS Docket No.: 340853.01
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	24/2014
inventor's Signature	Date
Nicolas VILLAR	
Printed Name in English	Printed Name in Native Language (if other than English)

MS Docket No.: <u>340853.01</u>

I <u>Haiyan ZHANG</u> ("ASS inventor of subject matter (application entitled <u>"A MODULA"</u> ("APPLICATION"), which:	"INVENTION") disclosed	
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following table for any APPLICA	TION DERIVATIVES after th	iey are known;
Application No.	Filing Date	Office

	MS Docket No.:	340853.01

Hawn Zong Inventor's Signature	April 22, 2014 Date
Haiyan ZHANG	
Printed Name in English	Printed Name in Native Language
	(if other than English)