#### 502560236 11/06/2013

#### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2605954

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
DAVID J. QUINN	10/21/2013
PETER ALAN RIDGWAY	10/28/2013
NICHOLAS DAVID BURTON	10/31/2013
CAROL CLARK	10/22/2013
DAVID T. HILL	10/21/2013
CHRISTIAN F. HUITEMA	10/18/2013
YANCEY C. SMITH	10/31/2013
ROYAL D. WINCHESTER	10/22/2013
IAIN A. MCFADZEN	10/27/2013
ANDREW JOHN BASTABLE	10/22/2013

#### **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:	14070481

#### **CORRESPONDENCE DATA**

**Fax Number**: (415)489-4150 **Phone**: 4154894100

Email: mguittap@vierramagen.com

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

Correspondent Name: VIERRA MAGEN MARCUS LLP
Address Line 1: 575 MARKET STREET, SUITE 3750

**PATENT** 

REEL: 031556 FRAME: 0761

H \$40.00 14070481

502560236 REEL: 0

Address Line 4: SAN FRANCISCO, CALIFORNIA 94105		
ATTORNEY DOCKET NUMBER:	MSFT-01725US0	
NAME OF SUBMITTER:	EILEEN LEHMANN	
Signature:	/Eileen Lehmann/	
Date:	11/06/2013	
Total Attachments: 20 source=1725-All-assignments#page1.tif source=1725-All-assignments#page2.tif source=1725-All-assignments#page3.tif source=1725-All-assignments#page4.tif source=1725-All-assignments#page5.tif source=1725-All-assignments#page6.tif source=1725-All-assignments#page7.tif source=1725-All-assignments#page8.tif source=1725-All-assignments#page9.tif source=1725-All-assignments#page10.tif source=1725-All-assignments#page11.tif source=1725-All-assignments#page13.tif source=1725-All-assignments#page13.tif source=1725-All-assignments#page15.tif source=1725-All-assignments#page16.tif source=1725-All-assignments#page17.tif source=1725-All-assignments#page17.tif source=1725-All-assignments#page18.tif source=1725-All-assignments#page18.tif source=1725-All-assignments#page19.tif		

source=1725-All-assignments#page20.tif

PATENT REEL: 031556 FRAME: 0762

I <u>David J. Quinn</u> ("AS inventor of subject matter (application entitled " <u>GENERA</u> " ("APPLICATION"), which:	"INVENTION") disclosed	•
ASSIGNEE'S legal of Department, Micro Washington 9805 here in parenthe Application No. 14	ASSIGNOR hereby authorepresentatives, of the Lawbosoft Corporation, One Mice (ASSIGNEE'S LEGAL REPRESES (filed on November 1/070,481)  States Patent and Transport of the Lawber (Assigner) in the Lawbord (Assigner) in the Lawbo	w and Corporate Affairs icrosoft Way, Redmond, ESENTATIVES), to insert r 1, 2013 and given by the following Office ademark Office) this
No	and was given by the following Office ";	2
successors and assigns ("ASSIC entire and exclusive rights, titl (and all other applications a applications, in and for the U ("APPLICATION DERIVATIVES"));	GNEE"), is entitled to, and e and interest in the INV and patents derived the	ENTION and the APPLICATION erefrom, such as continuing
ASSIGNOR hereby REPRESENTATIVES to insert the second secon	authorizes, and requ	•
following table for any APPLICA	• •	<u>-</u>
Application No.	Filing Date	Office

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

David J. Quinn

Printed Name in English

10/21/2013

MS Docket No.: 338928.01

Date

DAVID QUINN

Printed Name in Native Language (if other than English)

I Datar Alan Didaway /	(ACCICNIOD") and the evictin	alinuantar ar an ariginaliaint
		al inventor or an original joint
inventor of subject matter (		•
application entitled "GENERA"	TING AN AVATAK FROM	I REAL TIME IMAGE DATA
("APPLICATION"), which:		
5_3		
oxtimes will be filed.	ASSIGNOR hereby auth	orizes, and requests,
ASSIGNEE'S legal	representatives, of the Lav	v and Corporate Affairs
Department, Micro	osoft Corporation, One Mi	crosoft Way, Redmond,
Washington 9805	2 (ASSIGNEE'S LEGAL REPR	ESENTATIVES), to insert
here in parenthe	eses (filed on <u>Novembe</u>	<u>r 1, 2013</u> and given
	4/070,481	
<u>US – United</u>	States Patent and Tra	ademark Office) this
APPLICATION'S A	pplication No., filing da	ite, and Office, when
known;		
$\square$ was filed on	and was given .	Application
No	by the following Office	
"		
	,	
Microsoft Corporation.	a Washington Corporation	n, on behalf of itself and its
successors and assigns ("ASSIC	•	
entire and exclusive rights, titl		•
(and all other applications a		
applications, in and for the U	•	·
("APPLICATION DERIVATIVES"));	filled States, its territori	es, and an foreign countries
(AITEICATION DERIVATIVES )),		
ASSIGNOR hereby	authorizes, and requ	ıests, ASSIGNEE'S LEGAL
REPRESENTATIVES to insert the	•	•
following table for any APPLICA		,
Application No.	Filing Date	Office
Application No.	Tilling Date	Office

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);

/ Welgary 19	28/10/13
Inventor's Signature	Date
Peter Alan Ridgway	
Printed Name in English	Printed Name in Native Language
	(if other than English)

joint inventor o	f subject matte itled " <u>GENERA</u> ]	r ("INVENTION") disclos	original inventor or an original ed and/or claimed in a patent OM REAL TIME IMAGE DATA'
AS De Wa he Ap Ofi	SIGNEE'S legal repartment, Microsishington 9805. The in parenthe plication Notice US Pater	representatives, of the Losoft Corporation, One I 2 (ASSIGNEE'S LEGAL REF eses (filed on <u>11/1/2</u> 5. <u>14/070,481</u>	) this APPLICATION's
No		and was give by the following Offi ";	
successors and excluentire and excluent (and all other applications, in ("APPLICATION I	assigns ("ASSIC usive rights, titl applications a and for the U DERIVATIVES"));	INEE"), is entitled to, are and interest in the IN and patents derived to inited States, its territory	on, on behalf of itself and itself and itself and itself and itself itself itself and itself itself and itself itse
REPRESENTATIV	ES to insert tl	ne Application No., fil	quests, ASSIGNEE'S LEGAI into the they are known;
Application No.		Filing Date	Office

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

Date

Nicholas David Burton

NICHOLAS DAVID

BURTON

MS Docket No.: <u>338928.01</u>

Printed Name in English

Printed Name in Native Language

(if other than English)

I <u>Carol Clark</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>GENERATING AN AVATAR FROM REAL TIME IMAGE DATA</u>" ("APPLICATION"), which:

MS Docket No.: 338928.01

$\boxtimes$	will be filed. ASSIGNOR hereby authorizes, and	requests,
	ASSIGNEE'S legal representatives, of the Law and Corporation	te Affairs
	Department, Microsoft Corporation, One Microsoft Way, R	edmond,
	Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES),	to insert
	here in parentheses (filed on 11/1/2013 ar	nd given
	Application No. $14/070,481$ by the	
	Office US Patent and Trademark Office this APPLIC	CATION's
	Application No., filing date, and Office, when known;	
	was filed on and was given Application	
	No by the following Office	
	й 	

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

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);

Call () Inventor's Signature	<u>22 &amp;                                  </u>
Carol Clark	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: 338928.01 I David T. Hill ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "GENERATING AN AVATAR FROM REAL TIME IMAGE DATA" ("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 here in parentheses (filed on 11/1/2013 \_\_\_\_ and given 14/070,481 No. the following Application bv Office 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")); hereby authorizes, and requests. ASSIGNEE'S LEGAL ASSIGNOR REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known; Filing Date Office Application No.

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);

Definition of the second of th	10/21/2013
Inventor's Signature	Date
David T. Hill	
Printed Name in English	Printed Name in Native Language
	(if other than English)

joint invento	r of subject matte entitled " <u>GENERA</u> "	er ("INVENTION") disclosed	riginal inventor or an origina d and/or claimed in a paten 1 REAL TIME IMAGE DATA
	ASSIGNEE'S legal Department, Micro Washington 9805 here in parenthe Application No. 14	ASSIGNOR hereby authorepresentatives, of the Lavosoft Corporation, One Mi (2) (ASSIGNEE'S LEGAL REPReses (filed on November 1/070,481) States Patent and Trapplication No., filing dates	w and Corporate Affairs crosoft Way, Redmond, ESENTATIVES), to insert r 1, 2013 and given by the following Office ademark Office) this
		and was given . by the following Office ";	• •
successors a entire and ex (and all oth applications,	nd assigns ("ASSIO xclusive rights, tit ner applications a	GNEE"), is entitled to, and e and interest in the INVI	n, on behalf of itself and its is desirous of acquiring, the ENTION and the APPLICATION erefrom, such as continuing es, and all foreign countries
ASSIGI REPRESENTA	•	•	uests, ASSIGNEE'S LEGA g date, and Office into the
following tab	le for any APPLICA	TION DERIVATIVES after th	ney are known;
Application N	lo.	Filing Date	Office

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).

	10/18/2013
Inventor's Signature	Date
Christian F. Huitema	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: <u>338928.01</u>

I <u>Yancey C. Smith</u> ("A inventor of subject matter ( application entitled " <u>GENERA</u> " ("APPLICATION"), which:	"INVENTION") disclosed	•	
ASSIGNEE'S legal of Department, Micro Washington 9805 here in parenthe Application No. 14	ASSIGNOR hereby auth representatives, of the Lavosoft Corporation, One Mi (2) (ASSIGNEE'S LEGAL REPRESES (filed on November 1/070,481) States Patent and Transport (A)	v and Corporate Affairs crosoft Way, Redmond, ESENTATIVES), to insert r 1, 2013 and given by the following Office ademark Office) this	
	and was given by the following Office ";		
Microsoft Corporation, a successors and assigns ("ASSIC entire and exclusive rights, title (and all other applications a applications, in and for the U ("APPLICATION DERIVATIVES"));	GNEE"), is entitled to, and le and interest in the INV and patents derived the	ENTION and the APPLICATION refrom, such as continuing	
REPRESENTATIVES to insert the	ne Application No., filin		
Application No.	ng table for any APPLICATION DERIVATIVES after they are known; tion No. Filing Date Office		
7.pp.neation 110.	Timing Date		

MS Docket No.: <u>3</u>38928.01

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 in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

Ya Sh	10/31/2013
Inventor's Signature	Date
Yancey C. Smith	
Printed Name in English	Printed Name in Native Language (if other than English)

I <u>Royal D. Winchester</u> ( inventor of subject matter ( application entitled " <u>GENERA</u> " ("APPLICATION"), which:	"INVENTION") disclosed	•
ASSIGNEE'S legal of Department, Microwashington 9805 here in parenthology and the second seco	ASSIGNOR hereby auth representatives, of the Lavosoft Corporation, One Mi (2) (ASSIGNEE'S LEGAL REPReses (filed on November 14/070,481) States Patent and Transport (A)	v and Corporate Affairs crosoft Way, Redmond, ESENTATIVES), to insert r 1, 2013 and given by the following Office ademark Office) this
	and was given . by the following Office ";	
Microsoft Corporation, a successors and assigns ("ASSIC entire and exclusive rights, titl (and all other applications a applications, in and for the U ("APPLICATION DERIVATIVES"));	GNEE"), is entitled to, and le and interest in the INVI and patents derived the	ENTION and the APPLICATION refrom, such as continuing
ASSIGNOR hereby REPRESENTATIVES to insert the following table for any APPLICA	ne Application No., filin	
Application No.	Filing Date	Office

Page 1 of 2

MS Docket No.: 338928.01

MS Docket No.: <u>338928.01</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 in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES):

Ropel & Mudists	22 OCT 2013
Inventor's Signature	Date
Royal D. Winchester	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I lain A. McFadzen ("ASSIGNOR") am the original inventor or an original joint
inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent
application entitled "GENERATING AN AVATAR FROM REAL TIME IMAGE DATA"
("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
here in parentheses (filed on 11/1/2013 and given
Application No. 14/070,481 by the following
Office US Patent and Trademark Office this APPLICATION's
Application No., filing date, and Office, when known;
Application race, ming dates, and office, miles missing
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"));
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;

MS Docket No.: 338928.01

following table for any APPLICATION DERIVATIVES after they are known;		
Application No.	Filing Date	Office

Page 1 of 2

**PATENT REEL: 031556 FRAME: 0779**  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);

(mi My M)	27/10/13
Inventor's Signature	Date
Iain A. McFadzen	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I Andrew John Bastable ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "GENERATING AN AVATAR FROM REAL TIME IMAGE DATA" ("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 and given here in parentheses (filed on  $\frac{11}{1}$ 2013 14/070,481 Application No. bv the following Office 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")); ASSIGNEE'S LEGAL ASSIGNOR hereby authorizes. and requests, REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known; Filing Date Office Application No.

Page 1 of 2

MS Docket No.: 338928.01

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 in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

ABauu - Inventor's Signature	22/10/2013 Date
Andrew John Bastable	
Printed Name in English	Printed Name in Native Language
	(if other than English)