07/31/2017 504482064

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4528766

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MATTHEW CALBRAITH CRISLER	03/06/2015
ROBERT THOMAS HELD	03/05/2015
STEPHEN LATTA	03/21/2015
ASHRAF AYMAN MICHAIL	03/10/2015
MARTIN SHETTER	03/05/2015
ARTHUR TOMLIN	03/10/2015

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:	14682860

CORRESPONDENCE DATA

Fax Number: (425)936-7329

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: usdocket@microsoft.com

MICROSOFT CORPORATION **Correspondent Name:**

Address Line 1: ONE MICROSOFT WAY

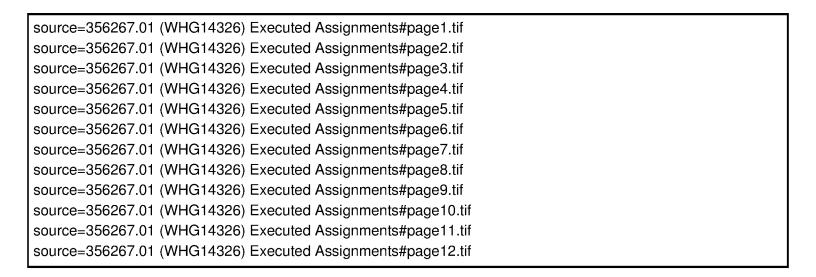
Address Line 4: REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	356267.01 (WHG14326)
NAME OF SUBMITTER:	CATHERINE POLANCE
SIGNATURE:	/Catherine Polance/
DATE SIGNED:	07/31/2017

Total Attachments: 12

PATENT REEL: 043149 FRAME: 0406

504482064



PATENT REEL: 043149 FRAME: 0407

		original inventor or an original
joint inventor of subject matte		•
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("APPLICATION"), which:		
oxtimes will be filed.	ASSIGNOR hereby auth	orizes, and requests,
ASSIGNEE'S legal	representative, Microsoft	Technology Licensing,
LLC., One Mic	rosoft Way, Redmond,	Washington 98052
(ASSIGNEE'S LEC	SAL REPRESENTATIVES),	to insert here in
parentheses (filed	on April 9, 2015	and given Application
No. 14/682	2,860 by	the following
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	ling date, and Office, whe	
\square was filed on	and was given	Application
	by the following Office	
	by are rollowing office. 	-
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Microsoft Technology Lie	rensing IIC a Washingto	n limited liability company, on
behalf of itself and its succes		
desirous of acquiring, the entire	-	
right of priority, in the INVENTI	-	· · · · · · · · · · · · · · · · · · ·
patents derived therefrom, suc		• •
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DERIVATIVES"));	erritories, and an iorei	gii coulliles (AFFLICATION
DERIVATIVES)),		
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REPRESENTATIVES to insert the	• •	_
following table for any APPLICA		•
Application No.	Filing Date	Office

Page 1 of 2

PATENT A	ASSIGNMENT MS	Docket No.: WHG14326
	555555	

1/h- 4	3/6/2015
Inventor's Signature	Date
Matthew Calbraith Crisler	
Printed Name in English	Printed Name in Native Language
	(if other than English)

l <u>Robe</u>	<u>rt Thomas Held</u>	("ASSIGNOR") am th	e original inventor or	an original joint
inventor of	subject matter	("INVENTION") dis-	closed and/or claim	ed in a patent
application	entitled " <u>RET</u>	INA LOCATION	IN LATE-STAGE	RE-PROJECTION'
("APPLICATIC	IN"), which:			
Ø	will be filed	400108100 hh		٠
K			y authorizes, and	
			icrosoft Technology	
	LLC., One Microsoft Way, Redmond, Washington 98052			
	(ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on April 9, 2015 and given Application			
			by the	following
) this APPL	ICATION S
	Application 140.,	filing date, and Off	ice, when known;	
	was filed on	and wa	s given Application	
		by the following		
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desirous of right of prior patents deriv for the Un DERIVATIVES	acquiring, the en rity, in the INVEN ved therefrom, su ited States, its "")); NOR hereby	tire and exclusive r TION and the APPLIC ICH as continuing a territories, and i authorizes, and	s ("ASSIGNEE"), is en ights, title and intere CATION (and all other oplications, in whole all foreign countries	est, including the applications and or in part, in and s ("APPLICATION IGNEE'S LEGAI
			o., filing date, and Safter they are know	
Application I	•	Filing Date	Office	

PATENT.	ASSIGNMENT	win increasing	

	3/5/15
Inventor's Signature	Date
Robert Thomas Held	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Stephen Latta</u> ("ASSIC inventor of subject matter (application entitled " <u>RETIN</u> ("APPLICATION"), which:	"INVENTION") disclosed	•
ASSIGNEE'S legal LLC., One Mic (ASSIGNEE'S LEC parentheses (filed No. <u>14/68</u> 2 Office	ASSIGNOR hereby auth representative, Microsoft rosoft Way, Redmond, GAL REPRESENTATIVES), don April 9, 2015 2,860 by	Technology Licensing, Washington 98052 to insert here in and given Application the following) this APPLICATION's
No	and was given by the following Office	
Microsoft Technology Lie behalf of itself and its succe desirous of acquiring, the enti right of priority, in the INVENTI patents derived therefrom, suc for the United States, its to DERIVATIVES"));	ssors and assigns ("ASSIO re and exclusive rights, ti ON and the APPLICATION h as continuing applicatio	tle and interest, including the (and all other applications and ons, in whole or in part, in and
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REPRESENTATIVES to insert to following table for any APPLICA	• •	
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Page 1 of 2

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MS Docket No.:

WHG14326

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inventor of	subject m	atter ("IN\	/ENTION")	disclosed	and/or	claimed	in a	notant
application	entitled	" <u>RETINA</u>	LOCATIO!	N IN	LATE-STA	GE RF	-PROJE	Patent "CTION
("APPLICATIO	'N"), which:			• "			<u> </u>	<u>0110[1</u>

\boxtimes	will be	filed.	ASSIGNOR	hereby	authori	zes, and	requests
	ASSIGNEE LLC., O	e'S legal ne Mic	representa rosoft Wa	itive, Micr ay, Redr	rosoft Te	echnology Washingto	Licensing.
	(ASSIGNE)	E'S LE(ses (filed	SAL REPR	E <mark>SENTATI</mark> 9, 2015	√ES), to	o insert	here in
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	known;	LICATIO	N's Applica	tion No.,	filing da	te, and Of	fice, when
					Jiven App	olication N	0
	by the foll	lowing C	ffice "				1

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:

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Application No.	Filing Date	Office	
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Page 1 of 2

PATENT

REEL: 043149 FRAME: 0414

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

Ashraf Ayman Michail

Printed Name in English

Printed Name in Native Language

(if other than English)

I Martin Shetter ("ASSIGNOR") am the original inventor or an original joi	nt
inventor of subject matter ("INVENTION") disclosed and/or claimed in a pate	nt
application entitled "RETINA LOCATION IN LATE-STAGE RE-PROJECTION	<u>N</u> "
("APPLICATION"), which:	

will	be	filed.	ASSIC	NOR	her	eby	auth	orize	s, a	ınd	reque	ests,
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Appl	icati	on No.	, filing d	ate, a	nd C	Office	, whei	n kno	wn;			
was	filed	on			and v	was g	given /	Appli	catio	n		
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	ASSIGN	ASSIGNED LLC., O (ASSIGNED parenthed No. Office _ Application was filed No	ASSIGNEE'S leg LLC., One M (ASSIGNEE'S L parentheses (fi No. 14/6 Office Application No. was filed on No	ASSIGNEE'S legal representation of the control of t	ASSIGNEE'S legal representate LLC., One Microsoft Way (ASSIGNEE'S LEGAL REPRE) parentheses (filed on April 9 No. 14/682,860 Office Application No., filing date, as was filed on by the feature of the second strength of the	ASSIGNEE'S legal representative, LLC., One Microsoft Way, (ASSIGNEE'S LEGAL REPRESEN parentheses (filed on April 9, 20 No. 14/682,860 Office Application No., filing date, and C was filed on and No by the follow	ASSIGNEE'S legal representative, Microsoft Way, Rednown (ASSIGNEE'S LEGAL REPRESENTATIVE parentheses (filed on April 9, 2015) No. 14/682,860 by Office Application No., filing date, and Office was filed on and was go by the following	ASSIGNEE'S legal representative, Microsoft LLC., One Microsoft Way, Redmond, (ASSIGNEE'S LEGAL REPRESENTATIVES), parentheses (filed on April 9, 2015 No. 14/682,860 by Office Application No., filing date, and Office, when was filed on and was given to by the following Office	ASSIGNEE'S legal representative, Microsoft Tech LLC., One Microsoft Way, Redmond, Wa (ASSIGNEE'S LEGAL REPRESENTATIVES), to parentheses (filed on April 9, 2015 and No. 14/682,860 by the Office) this Application No., filing date, and Office, when known was filed on and was given Application No by the following Office	ASSIGNEE'S legal representative, Microsoft Technology LLC., One Microsoft Way, Redmond, Washing (ASSIGNEE'S LEGAL REPRESENTATIVES), to inseparentheses (filed on April 9, 2015 and give No. 14/682,860 by the Office) this Application No., filing date, and Office, when known; was filed on and was given Application No by the following Office	ASSIGNEE'S legal representative, Microsoft Technology LLC., One Microsoft Way, Redmond, Washington (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert parentheses (filed on April 9, 2015 and given A No. 14/682,860 by the Office) this APPLI Application No., filing date, and Office, when known; was filed on and was given Application No by the following Office	ASSIGNEE'S legal representative, Microsoft Technology Licens LLC., One Microsoft Way, Redmond, Washington 98 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here parentheses (filed on April 9, 2015 and given Applica No. 14/682,860 by the follow Office) this APPLICATION Application No., filing date, and Office, when known; was filed on and was given Application No by the following Office

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:

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Application No.	Filing Date	Office					

	PATENT.	ASSIGNMENT	MS Docket No.:	<u>WHG14326</u>
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27 ratu 2018 23	5 March 2015			
Inventor's Signature	Date			
Martin Shetter				
Printed Name in English	Printed Name in Native Language			
	(if other than English)			

i <u>Artr</u>	<u>iur romiin</u> ("ASSIC	NOK") am the original	inventor or an original joint
inventor of	subject matter ("INVENTION") disclosed	and/or claimed in a patent
application	entitled " <u>RETIN</u>	A LOCATION IN LA	TE-STAGE RE-PROJECTION
("APPLICATIO	N"), which:		
	ASSIGNEE'S legal LLC., One Mic	ASSIGNOR hereby auth representative, Microsoft rosoft Way, Redmond,	Technology Licensing, Washington 98052
	(ASSIGNEE'S LEC	• •	
		d on April 9, 2015	
	No. 14/682	2,860 by	the following
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	Application No., fi	ling date, and Office, whe	n known;
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ASSIG	NOR hereby	authorizes, and requ	uests, ASSIGNEE'S LEGAL
			g date, and Office into the
following tab	ole for any APPLICA	TION DERIVATIVES after th	ney are known;
Application N	No.	Filing Date	Office

PATENT	ASSIGNMENT	M	S Docket No.:	WHG14326

PATENT ASSIGNMENT

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).

attal	3/10/2015
Inventor's Signature	Date
Arthur Tomlin	
Printed Name in English	Printed Name in Native Language
	(if other than English)

Page 2 of 2

RECORDED: 07/31/2017