502873792 06/30/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2920389

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TAEHUN YOON	06/27/2014
AARON ROGAN	06/26/2014
BRADFORD R. CLARK	06/30/2014
MICHAEL HARRELL	06/30/2014

RECEIVING PARTY DATA

Name:	MICROSOFT CORPORATION	
Street Address:	eet Address: ONE MICROSOFT WAY	
City:	REDMOND	
State/Country:	WASHINGTON	
Postal Code:	98052	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14320053

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: stevensp@microsoft.com **Correspondent Name:** MICROSOFT CORPORATION

ONE MICROSOFT WAY Address Line 1:

Address Line 4: **REDMOND, WASHINGTON 98052**

ATTORNEY DOCKET NUMBER:	341519.01
NAME OF SUBMITTER:	VLADAN M. VASILJEVIC
SIGNATURE:	/Vladan M. Vasiljevic/
DATE SIGNED:	06/30/2014

Total Attachments: 8

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	PATENT	ASSIGNMENT	MS Docket No.:	341519.01
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	ASSIGNEE'S legal Department, Micro Washington 9805 here in parenth Application N Office	ASSIGNOR hereby authorepresentatives, of the Lacosoft Corporation, One Most (ASSIGNEE'S LEGAL REPROSES (Filed on <u>June 3</u> 0. 14/320,053 USPTO	w and Corporate Alicrosoft Way, Reduce RESENTATIVES), to 0, 2014 and by the follows this APPLICAT	Affairs mond, insert given owing
		and was given by the following Offic		
successors a entire and e INVENTION a therefrom, s	ind assigns ("ASSI xclusive rights, ti and the APPLICA" uch as continuing	a Washington Corporation GNEE"), is entitled to, and the and interest, including applications, in whole or reign countries ("APPLICATION.")	I is desirous of a g the right of pri lications and pate in part, in and fo	cquiring, the ority, in the ents derived or the United
REPRESENTA ⁻	TIVES to insert t	authorizes, and requestion No., filing Title Tit	g date, and Offi	
Application N	***************************************	Filing Date	Office	
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Page 1 of 2

PATENT ASSIGNMENT

MS Docket No.: 341519.01

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).

Inventor's Signature

Taehun Yoon
Printed Name in English

Printed Name in Native Language
(if other than English)

	PATENT	ASSIGNMENT	MS Docket No.: <u>341519.01</u>
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application (entitled " <u>OBJECT (</u>	DETECTION UTILIZING C	<u>GEOMETRIC INFORMATION FUSEI</u>
WITH IMAGE	<u>DATA</u> " ("APPLICAT	"ION"), which:	
\boxtimes	will be filed.	ASSIGNOR hereby a	uthorizes, and requests,
			Law and Corporate Affairs
			Microsoft Way, Redmond,
			EPRESENTATIVES), to insert
	-		30, 2014 and given
	•	o. 1 <u>4/320,053</u>	•
) this APPLICATION's
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	was filed on	and was giv	en Application
	No	by the following Of	fice
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Micros	oft Corporation,	a Washington Corpora	tion, on behalf of itself and it
	•		and is desirous of acquiring, the
			ling the right of priority, in the
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			or in part, in and for the United
			CATION DERIVATIVES"));
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Page 1 of 2

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"));

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Inventor's Signature	<i>G/26/14</i> Date
Aaron Rogan	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: 341519.01

PATENT .	ASSIGNMENT	MS Docket No.: <u>341519.01</u>
I Bradford R. Clark original joint inventor of subje- patent application entitled " <u>OF</u> FUSED WITH IMAGE DATA" ("AP	ect matter ("INVENTION") o BJECT DETECTION UTILIZIN	
ASSIGNEE'S legal Department, Micr Washington 9805 here in parenth Application No Office Application No., f	ASSIGNOR hereby auth representatives, of the Law osoft Corporation, One Mi 2 (ASSIGNEE'S LEGAL REPR eses (filed on <u>June 30 14/320,053</u> USPTO Illing date, and Office, whe and was given	w and Corporate Affairs icrosoft Way, Redmond, ESENTATIVES), to insert 0, 2014 and given by the following 1 this APPLICATION's n known;
	by the following Office	
"	".	
Microsoft Corporation, successors and assigns ("ASSIGE entire and exclusive rights, to INVENTION and the APPLICATE therefrom, such as continuing States, its territories, and all for	GNEE"), is entitled to, and tle and interest, including TION (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 REPRESENTATIVES to insert t following table for any APPLICA	he Application No., filin	=
Application No.	Filing Date	Office
	i .	

PATENT ASSIGNMENT

MS Docket No.: 341519.01

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"));

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BICCL	Lp-30-14
Inventor's Signature	Date
Bradford R. Clark	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT MS Docket No.: 341519.01 I Michael Harrell ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "OBJECT DETECTION UTILIZING GEOMETRIC INFORMATION FUSED WITH 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 <u>June 30, 2014</u> and given Application No. 14/320.053 by the Office USPTO) 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, 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")); requests, ASSIGNEE'S ASSIGNOR hereby authorizes. and 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

MS Docket No.: 341519.01

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")):

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-2-2-1	6/30/2014
Inventor's Signature	Date
Michael Harrell	
Printed Name in English	Printed Name in Native Language (if other than English)