### 503917026 07/15/2016

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

EPAS ID: PAT3963679

#### **CONVEYING PARTY DATA**

Name	Execution Date
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EMMETT LALISH	06/06/2016
MING CHUANG	06/09/2016
KHAI TRAN	06/09/2016

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

Property Type	Number
Application Number:	15178364

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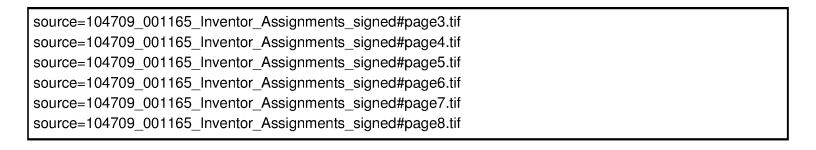
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ATTORNEY DOCKET NUMBER:	359941.01/104709.001165
NAME OF SUBMITTER:	CHRISTINE M. BATES
SIGNATURE:	/Christine M. Bates/
DATE SIGNED:	07/15/2016

## **Total Attachments: 8**

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PATENT 503917026 REEL: 039165 FRAME: 0489



PATENT REEL: 039165 FRAME: 0490

# PATENT ASSIGNMENT MS Docket No.: 359941.01

inventor of subje	N. Iverson, ("ASSIGNOR") al ct matter ("INVENTION") led " <u>ADAPTIVE DECIMA</u> rhich:	disclosed and/or	claimed in a patent
ASSIG LLC., (ASSIG paren No. Office	be filed. ASSIGNOR has NEE'S legal representative. One Microsoft Way, GNEE'S LEGAL REPRESENTHESES (filed on June 9, 20, 15/178,364.  2 U.S. Patent and Trademar cation No., filing date, and	e, Microsoft Techno Redmond, Wash NTATIVES), to in 016 and giv by the ck Office this	ology Licensing, ington 98052 sert here in ven Application following APPLICATION's
	iled on an by the foll		ion
behalf of itself an desirous of acquiri right of priority, in patents derived the	echnology Licensing, LLC, and its successors and assing, the entire and exclus the INVENTION and the Alerefrom, such as continuing tates, its territories, ar	signs ("ASSIGNEE"), ive rights, title and PPLICATION (and all ng applications, in w	is entitled to, and is interest, including the other applications and hole or in part, in and
REPRESENTATIVES	hereby authorizes, to insert the Applicatio any APPLICATION DERIVAT	n No., filing date,	and Office into the
Application No.	Filing Date	Office	·

Page 1 of 2

PATENT REEL: 039165 FRAME: 0491

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).

Shita ME	6-9-16
Inventor's Signature	Date
Kristofer N. Iverson	
Printed Name in English	Printed Name in Native Language
	(if other than English)

# PATENT ASSIGNMENT MS Docket No.: 359941.01

I, <u>Em</u>	mett Lalish, ("ASS	IGNOR") am the original	inventor or an original joint
inventor of	subject matter (	"INVENTION") disclosed	and/or claimed in a patent
application	entitled "ADAP"	TIVE DECIMATION USIN	NG 3D VIDEO FEATURES"
("APPLICATIO	N"), which:		
57			
		ASSIGNOR hereby auth	
	_	representative, Microsoft	
	LLC., One Mic	rosoft Way, Redmond,	Washington 98052
	(ASSIGNEE'S LEC	GAL REPRESENTATIVES),	to insert here in
	parentheses (filed	d on <u>June 9, 2016</u>	and given Application
	No. <u>15/178,36</u>	by the	following Office
	U.S. Patent and Tra	ademark Office) t	his APPLICATION's
	Application No., f	iling date, and Office, whe	n known;
	was filed on	and was given	Application No
		by the following Office	, , , , , , , , , , , , , , , , , , , ,
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behalf of its desirous of a right of prior patents deriv	self and its succe acquiring, the enti rity, in the INVENTI ved therefrom, suc	ssors and assigns ("ASSI) re and exclusive rights, ti ON and the APPLICATION h as continuing applicatio	n limited liability company, on GNEE"), is entitled to, and is tle and interest, including the (and all other applications and ns, in whole or in part, in and ign countries ("APPLICATION
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ASSIG	NOR hereby	authorizes, and requ	uests, ASSIGNEE'S LEGAL
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Application N	······································	Filing Date	Office Office
Application	**************************************	Timing Date	Office
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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).

Eman Lin	June 6th, 2016
Inventor's Signature	Date
Emmett Lalish	
Printed Name in English	Printed Name in Native Language
	(if other than English)

# PATENT ASSIGNMENT MS Docket No.: 359941.01

inventor of	subject matter ( entitled " <u>ADAPT</u>	"INVENTION") disclosed	inventor or an original joint and/or claimed in a patent IG 3D VIDEO FEATURES"
	ASSIGNEE'S legal LLC., One Mic (ASSIGNEE'S LEC parentheses (filed No. 15/178 Office U.S. Patent	ASSIGNOR hereby auth representative, Microsoft rosoft Way, Redmond, AL REPRESENTATIVES), on June 9, 2016, 364 by and Trademark Office, whe	Technology Licensing, Washington 98052 to insert here in and given Application the following this APPLICATION's
		and was given by the following Office	
behalf of its desirous of a right of prior patents deriv	self and its successive acquiring, the entirely, in the INVENTIPE to the states of the	ssors and assigns ("ASSIO re and exclusive rights, ti ON and the APPLICATION of h as continuing applicatio	n limited liability company, on 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
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Application N	· · · · · · · · · · · · · · · · · · ·	Filing Date	Office
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Page 1 of 2

PATENT REEL: 039165 FRAME: 0495

PATENT ASSIGNMENT	]	MS Docket No.:	359941.01
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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).

1424	June 9, 2016
Inventor's Signature	Date
Ming Chuang Printed Name in English	Printed Name in Native Language (if other than English)

### PATENT ASSIGNMENT

MS Docket No.: 359941.01

I, <u>Khai Tran</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>ADAPTIVE DECIMATION USING 3D VIDEO FEATURES</u>" ("APPLICATION"), which:

$\boxtimes$	will be fil	ed. ASSI	SNOR he	reby a	authorize	s, and	requests,		
	ASSIGNEE'S	legal repre	sentative,	, Micro	soft Tech	ınology	Licensing,		
	LLC., One	Microsofi	: Way,	Redmo	ond, Wa	ashingto	n 98052		
	(ASSIGNEE'S	LEGAL	REPRESEN	ITATIVE	ES), to	insert	here in		
	parenthese:	s (filed on	June 9, 20	16	and	given /	Application		
	No.	15/178,364		by	th	ę	following		
	Office <u>U.S.</u>	. Patent and ገ	rademark	Office	) th	is APPI	JCATION's		
	Application No., filing date, and Office, when known;								
	was filed on and was given Application								
	No by the following Office								
ee									

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
		en e

Page 1 of 2

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).

Main S	06/03/3046
Inventor's Signature	Date
Khai Tran	
Printed Name in English	Printed Name in Native Language
	(if other than English)

Page 2 of 2

RECORDED: 07/15/2016