504393034 06/01/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4439731

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PARAMVIR BAHL	05/31/2017
PETER BODIK	12/05/2016
MATTHAI PHILIPOSE	05/31/2017
GANESH ANANTHANARAYANAN	12/02/2016
HAOYU ZHANG	12/02/2016

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:	15373301

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.

Email: usdocket@microsoft.com

Correspondent Name: MICROSOFT CORPORATION

Address Line 1: ONE MICROSOFT WAY

Address Line 4: REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	400198-US-NP
NAME OF SUBMITTER:	TODD E. BEHRENS
SIGNATURE:	/Todd E. Behrens/
DATE SIGNED:	06/01/2017

Total Attachments: 10

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PATENT 504393034 REEL: 042564 FRAME: 0906

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PATENT REEL: 042564 FRAME: 0907

I, <u>Paramvir Bahl</u> , ("ASSIGNO of subject matter ("INVENTION")	~	or or an original joint invento
"LIVE VIDEO ANALYTICS AT SCAL		•
☐ will be filed.	ASSIGNOR hereby author	orizes, and requests,
LLC., One Microsof LEGAL REPRESENT on the following O	representative, Microsoft t Way, Redmond, Washing ATIVES), to insert hereand given Application ffice plication No., filing date, a	ton 98052 (ASSIGNEE'S in parentheses (filed Noby
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behalf of itself and its successors of acquiring, the entire and exception priority, in the INVENTION and the derived therefrom, such as contuited States, its territories, and	and assigns ("ASSIGNEE") clusive rights, title and in he APPLICATION (and all o inuing applications, in wh all foreign countries ("AP	terest, including the right of ther applications and patents nole or in part, in and for the
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Application No.	Filing Date	Office

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"));

***************************************	Corner B.V	May 31, 2017.
	Inventor's Signature	Date
	Paramvir Bahl	
	Printed Name in English	Printed Name in Native Language
		(if other than English)

PATENT ASSIGNMENTMS

Docket	No.	: <u>400</u>	<u> 198-l</u>	<u>JS-NP</u>

		~	or or an original joint inventor
•			n a patent application entitled
"LIVE VIDEO	<u>ANALYTICS AT SCA</u>	<u>LE</u> " ("APPLICATION"), which	?`
	ASSIGNEE'S legal LLC., One Microsol LEGAL REPRESENT on December 8, 2016 the following O	ASSIGNOR hereby authorepresentative, Microsoft ft Way, Redmond, Washing TATIVES), to insert here and given Application ffice United States Patent and Tablication No., filing date, as	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed No. 15/373,301 by Grademark Office this
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*******		by the following Office	
behalf of itse of acquiring, priority, in the derived there	If and its successor the entire and ex ie INVENTION and t efrom, such as con	s and assigns ("ASSIGNEE") clusive rights, title and in he APPLICATION (and all o tinuing applications, in wh	limited liability company, on, is entitled to, and is desirous terest, including the right of ther applications and patents tole or in part, in and for the PLICATION DERIVATIVES"));
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	i DERIVATIVES after	they are known	
Application	······	Filing Date	Office
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Page 1 of 2

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"));

	Bodl	12/5/26(G
	Inventor's Signature	Date
	Peter Bodik	
	Printed Name in English	Printed Name in Native Language
<u> </u>		(if other than English)

inventor of subject matter (application entitled "LIVE VIDEO will be filed. ASSIGNEE'S legal LLC., One Microso LEGAL REPRESENT	"INVENTION") disclosed ANALYTICS AT SCALE" (" ASSIGNOR hereby authorized transfer authorized transfer authorized transfer authorized transfer and given Application and given	APPLICATION"), which: norizes, and requests, t Technology Licensing, gton 98052 (ASSIGNEE'S t in parentheses (filed n Noby
the following C	iffice	
	plication No., filing date,	
was filed on <u>Decer</u>	<u>mber 8, 2016</u> and was giv	ren Application No
<u>15/373,301</u> by the	e following Office " <u>Untied</u>	States Patent and
Trademark Office"		
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ASSIGNOR hereby author to insert the Application No., I APPLICATION DERIVATIVES after	filing date, and Office in	NEE'S LEGAL REPRESENTATIVES to the following table for any
Application No.	Filing Date	Office
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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"));

- mans	5/31/2017
Inventor's Signature	Date
Matthai Philipose	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENTMS

· · · · · · · · · · · · · · · · · · ·	•		original inventor or an original		
•	•		and/or claimed in a patent		
application e	ntitled " <u>LIVE VIDEO</u>	<u>ANALYTICS AT SCALE</u> " ("AI	PPLICATION"), which:		
\boxtimes	will be filed.	ASSIGNOR hereby autho	orizes, and requests,		
	ASSIGNEE'S legal r	representative, Microsoft	Technology Licensing,		
	LLC., One Microsof	t Way, Redmond, Washingt	ton 98052 (ASSIGNEE'S		
	LEGAL REPRESENT	ATIVES), to insert here	in parentheses (filed		
on <u>December 8, 2016</u> and given Application No. <u>15/373,301</u> k					
	the following Office United States Patent and Trademark Office) this				
	APPLICATION's App	olication No., filing date, ar	nd Office, when known;		
	was filed on	and was given A	application		
	No by the following Office				
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priority, in the derived there United States ASSIG	ne INVENTION and the from, such as contents, its territories, and NOR hereby authori	he APPLICATION (and all o inuing applications, in wh all foreign countries ("APF zes, and requests, ASSIGN	terest, including the right of ther applications and patents tole or in part, in and for the PLICATION DERIVATIVES")); EE'S LEGAL REPRESENTATIVES		
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Docket No.: <u>400198-US-NP</u>

Docket No.: <u>400198-US-NP</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"));

	Dec 2 nd 2016
Inventor's Signature	Date
Ganesh Ananthanarayanan	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENTMS

I, <u>Haoyu Zhang</u> , ("ASSIGNO of subject matter ("INVENTION") o " <u>LIVE VIDEO ANALYTICS AT SCAL</u>	disclosed and/or claimed i	• • •	
ASSIGNEE'S legal in LLC., One Microsof LEGAL REPRESENT on December 8, 2016 the following Office	ASSIGNOR hereby authorepresentative, Microsoft t Way, Redmond, Washingt ATIVES), to insert here and given Application e United States Patent and Trollication No., filing date, and	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed No. 15/373,301 by rademark Office) this	
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Page 1 of 2

Docket No.:400198-US-NP

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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).

Maoyu Hising Inventor's Signature	02 DEC 2016 Date
Haoyu Zhang	
Printed Name in English	Printed Name in Native Language
	(if other than English)

RECORDED: 06/01/2017