### 505531731 06/18/2019

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

**EPAS ID: PAT5578528** 

#### **CONVEYING PARTY DATA**

Name	Execution Date
LUKE CARTWRIGHT	05/21/2019
ALEXANDER JAMES THAMAN	03/16/2019
ALTON HAU KWONG KWOK	05/13/2019

#### **RECEIVING PARTY DATA**

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Street Address:	ONE MICROSOFT WAY
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State/Country:	WASHINGTON
Postal Code:	98052

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

Property Type	Number
Application Number:	16243967

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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ATTORNEY DOCKET NUMBER:	405611-US-NP
NAME OF SUBMITTER:	VLADIMIR A. KOZYREV
SIGNATURE:	/VLADIMIR A. KOZYREV/
DATE SIGNED:	06/18/2019

### **Total Attachments: 6**

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PATENT REEL: 049508 FRAME: 0470

# PATENT ASSIGNMENT

MS Docket No.: <u>405611-US-NP</u>

l <u>Luk</u> e	<u>CARTWRIGHT</u> ("A	SSIGNOR") am	the original	inventor	or an c	ıriginal Joint
	subject matter (					
application	entitled "TIME-B	ASED VISUAL	<u>TARGETING</u>	<u>FOR V</u>	<u>/OICE_C</u>	<u>:OMMANDS</u> '
("APPLICATIO	DN"), which:					
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REPRESENTA	NOR hereby TIVES to insert to tole for any APPLICA	ne Application	No., filing	date, a	nd Offic	
Application I		Filing Date		Office		

MS Docket No.: <u>405611-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"));

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).

14	5/21/19
Inventor's Signature	Date
Luke CARTWRIGHT	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATE	NT ASSIGNMEN	Γ MS Docket	: No.: <u>405611-US-NP</u>
joint invento	r of subject matte entitled " <u>TIME-BA</u>	er ("INVENTION") disclose	original inventor or an origina ed and/or claimed in a paten IG FOR VOICE COMMANDS
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behalf of its desirous of a right of prior patents deriv	elf and its succest acquiring, the entility, in the INVENTI red therefrom, sucted ted States, its t	ssors and assigns ("ASSI re and exclusive rights, t ON and the APPLICATION h as continuing application	on limited liability company, or GNEE"), is entitled to, and is itle and interest, including the (and all other applications and ons, in whole or in part, in and its its countries ("APPLICATION")
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Application N		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, 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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Almarka J. Thu Inventor's Signature	3/16/2019 Date
Alexander James THAMAN	
Printed Name in English	Printed Name in Native Language
	(if other than English)

## PATENT ASSIGNMENT

PATE	NT ASSIGNMEN	T MS	Docket No.: 405611-L	<u>IS-NP</u>
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MS Docket No.: 405611-US-NP

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).

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14019-	5/13/19
Inventor's Signature	Date
Alton Hau Kwong KWOK	
Printed Name in English	Printed Name in Native Language
	(if other than English)