505988278 03/27/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FEN CHEN	03/18/2020
DAVID FAIN	03/26/2020
GEOFFREY MAINES	03/18/2020
WEN-CHIEH TANG	03/18/2020

RECEIVING PARTY DATA

Name:	GM CRUISE HOLDINGS LLC	
Street Address:	1201 BRYANT STREET	
City:	SAN FRANCISCO	
State/Country:	CALIFORNIA	
Postal Code:	94103	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16832213

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.

Phone: 2027728490

Email: anegri@polsinelli.com

Correspondent Name: GM CRUISE HOLDINGS LLC C/O/ POLSINELLI PC

Address Line 1: 1401 EYE STREET N.W.
Address Line 4: WASHINGTON, D.C. 20005

ATTORNEY DOCKET NUMBER:	102397-650030_P100334US02	
NAME OF SUBMITTER:	ALFRED YOUNG CHU	
SIGNATURE:	/Alfred Young Chu/	
DATE SIGNED:	03/27/2020	

Total Attachments: 4

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PATENT 505988278 REEL: 052244 FRAME: 0348

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PATENT REEL: 052244 FRAME: 0349

subject matter 'METHOD A		rinal inventor or an original joint inventor of the r claimed in a patent application entitled RING A THERMAL SHOCK"
	associated with Customer No. 16 on March 27, 2020 and given a following Office US - United States	authorizes, and requests, any practitioner 18660 to insert here in parentheses (filed Application No. 16/832,213 by the tes Patent and Trademark Office) this o., filing date, and Office, when known.
	was filed on and v the following Office "	vas given Application No by"
GM Cruise Holdings LLC, 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")). 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 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).		
DocuSigned by		2 (40 (2020
Fun (lu Inventor's	-	3/18/2020 Date
	2-0	Morgan Hill, CA
Full name		Inventor's Residence

the subject ma " <u>METHOD A</u>	atter ("INVENTION") disclose	e original inventor or an original joint inventor of d and/or claimed in a patent application entitled VERING A THERMAL SHOCK"
	associated with Customer No. on March 27, 2020 and giv following Office US - United	reby authorizes, and requests, any practitioner 1618660 to insert here in parentheses (filed en Application No. 16/832,213 by the States Patent and Trademark Office) this in No., filing date, and Office, when known.
	was filed on are the following Office "	nd was given Application No by"
("ASSIGNEE and interest, i other applicat part, in and for DERIVATIV For go	E"), is entitled to, and is desirous including the right of priority, in ions and patents derived therefor the United States, its territoric ES")). Tood and valuable consideration, the ASSIGNOR hereby sells, a	of itself and its successors and assigns s of acquiring, the entire and exclusive rights, title in the INVENTION and the APPLICATION (and all rom, such as continuing applications, in whole or in es, and all foreign countries ("APPLICATION") the receipt of which is hereby acknowledged by the ssigns and transfers to the ASSIGNEE,
		le and interest, including the right of priority, in the APPLICATION DERIVATIVES).
prosecution or regarding letter	f the APPLICATION (and APF	truments and documents required for the making and PLICATION DERIVATIVES), for litigation and for the purpose of protecting and perfecting title DERIVATIVES).
Docusigned b		3/26/2020
Inventor's		Date
David Fair	1	San Francisco, CA
Full name		Inventor's Residence

I, <u>Geoffrey Maines</u> , ("ASSIGNOR") am the original inventor or an original joint inventor of the subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled " <u>METHOD AND APPARATUS FOR DELIVERING A THERMAL SHOCK</u> " ("APPLICATION"), which:		
will be filed. ASSIGNOR hereby authorizes, and requests, any practitioner associated with Customer No. 1618660 to insert here in parentheses (filed on March 27, 2020 and given Application No. 16/832,213 by the following Office US - United States Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known.		
□ was filed on and was given Application No by the following Office "".		
GM Cruise Holdings LLC, 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")).		
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 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).		

Page 1 of 1

of the subject " <u>METHOD</u> A	n-chieh Tang, ("ASSIGNOR") am the original inventor or an original joint inventor matter ("INVENTION") disclosed and/or claimed in a patent application entitled AND APPARATUS FOR DELIVERING A THERMAL SHOCK" ("ION"), which:
	will be filed. ASSIGNOR hereby authorizes, and requests, any practitioner associated with Customer No. 1618660 to insert here in parentheses (filed on March 27, 2020 and given Application No. 16/832,213 by the following Office US - United States Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known.
	was filed on and was given Application No by the following Office "".
("ASSIGNER and interest, in the state of the	Cruise Holdings LLC, on behalf of itself and its successors and assigns E"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title including the right of priority, in the INVENTION and the APPLICATION (and all tions and patents derived therefrom, such as continuing applications, in whole or in or the United States, its territories, and all foreign countries ("APPLICATION ES")).
_	ood and valuable consideration, the receipt of which is hereby acknowledged by the the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE,

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 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).

سسمي DocuSigned by:	
Wen-dich tang	3/18/2020
inventor s Signature	Date
Wen-chieh Tang	San Francisco, California
Full name	Inventor's Residence

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RECORDED: 03/27/2020