506269391 09/24/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
TORU KAKIUCHI	09/12/2019

RECEIVING PARTY DATA

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State/Country:	State/Country: JAPAN		
Postal Code:	467-8561		

PROPERTY NUMBERS Total: 1

Property Type	Number			
Application Number:	17030937			

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SIGNATURE:	/Luke K. Pedersen/
DATE SIGNED:	09/24/2020

Total Attachments: 1

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PATENT REEL: 053872 FRAME: 0974

506269391

ASSIGNMENT

2017-00923US00/57CS08

		(1)	Toru KAKIUCHI		(5)	***************************************	
(1-8)	Insert	(2)			(6)		
Name(s)	Name(s) of Inventor(s)	(3)			(275)		
		(4)			(8)		
		. .,	In consideration of the each of the undersigned over to	sum of one do , the undersigne	ollar (\$1.00) ed agree(s)	and other good and vito assign, and hereby	aluable considerations paid to does assign, transfer and set
(9)	Insert Name of Assignee	(9)	BROTHER KOG	YO KABUS	HIKI KAIS	SHA	
(10)	Insert Address of Assignee	(10)	15-1, Naeshiro-cho, Mlzuho-ku, Nagoya-shi, Aichi-ken 467-8561 JAPAN				
•			as defined in 35 U.S.C.	§100, in the it	ovention, and	d in all applications to substitute, and reissue	or the United States of America or patent including any and all a application(s), and all Letters ated on the invention known as
(11)	Insert Identification of Invention	(11)	LIQUID DISCHA	······································	.,,,		
	Such as Title, Case Number, or Foreig Application Number	n	(Attorney Docket No.				
			for which the undersigne	d has (have) ex	ecuted an ap	plication for patent in the	ne United States of America
(12)	Insert Date of Signing of Application	(12)	on Sep. 1	2, 2019	·····		
(13)	Alternative Identification for filed applications	(13)	U.S. application Serial filed				
applica any app the Ass claims reexam United (they It agreen	applications for the interest and patents as to 2). The undersigne offication or continuation of the interest and the undersigne of provisions of the interest at the undersigne of the undersigner o	nventiche Associated agreed ag	on, and any patent(s) issue signees may deem necess e(s) to execute all papers in obtaining evidence and e(s) to execute all papers onal Convention for Protect e(s) to perform all affirm ited States patent to the A eby authorize(s) and reques application(s) to the said e entire interest herein a eby grant(s) the firm of BA ole in order to comply with	ing thereon, and any, necessary in count or reissue at a going forward vand documents attive acts which seignee, est(s) the Commassignee, as Assigned, and the KER BOTTS Little rules of the	d also to exemple a last to ex	n any interference whice sed thereon, for the inverference. In any act which may be similar agreements. Cessary to obtain, main Patents to issue any se entire interest, and he they have) not execute to insert on this assigns Patent and Trademain	d any continuing, divisional or ments in connection with such the may be declared concerning vention, and to cooperate with the necessary in connection of the necessary covenants that he has ed, and will not execute, any inment any further identification rick Office for recordation of this sets).
			cuted by the undersigne	d on the date(s) opposite ti	e undersigned name	(a).
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RECORDED: 09/24/2020

PATENT REEL: 053872 FRAME: 0975