505381305 03/19/2019

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

#### **CONVEYING PARTY DATA**

Name	Execution Date
KEIJI KURA	03/13/2019

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

Property Type	Number	
Application Number:	16357423	

#### **CORRESPONDENCE DATA**

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NAME OF SUBMITTER:	CHUNHSI ANDY MU
SIGNATURE:	/Chunhsi Andy Mu/
DATE SIGNED:	03/19/2019

**Total Attachments: 1** 

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PATENT REEL: 048631 FRAME: 0670

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## **ASSIGNMENT**

2017-01586US00/57CS06

		(1)	Keiji KURA	(5)			
(1-8) Insert	Insert	(2)		(6)			
Name(s) of Inventor(s)		(3)		(7)			
		(4)		(8)			
					other good and valuable considerations paid to ssign, and hereby does assign, transfer and set		
(9)	Insert Name of Assignee	(9)	BROTHER KOGYO	KABUSHIKI KAISH	4		
(10)	Insert Address of Assignee	(10)					
1445	insert		(hereinafter designated as the Assignee) the entire right, title and interest for the United States of Amer as defined in 35 U.S.C. §100, in the Invention, and in all applications for patent including any and provisional, non-provisional, divisional, continuation, substitute, and reissue application(s), and all Lett Patent, extensions, reissues and reexamination certificates that may be granted on the invention known				
(11)	Identification of Invention	(11)	LIQUID DISCHARO	SE HEAD			
	such as Title, Case Number, or Foreign Application Number	1	(Attorney Docket No.		)		
			for which the undersigned ha	is (have) executed an applica	tion for patent in the United States of America		
(12)	Insert Date of Signing of Application	(12)	on May 12	0,20M			
(13)	Alternative Identification for filed applications	(13)	U.S. application Serial Numi	ber			
1) The undersigned agree(s) to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignees may deem necessary.  2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.  3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.  4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.  5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreements in conflict herewith.  6) The undersigned hereby grant(s) the firm of Banner & Witcoff, LTD the power to Insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.							
			ited by the undersigned on	7 7 7 7			
Date	May 13	<u>. 9</u>	Name of	Inventor Kejjū	KUYO (SEAL)		
Date	3:		Name of	Inventor	(SEAL)		
Date	<b>3</b> .		Name of	Inventor	(SEAL)		
Date	<b>3</b> :		Name of	Inventor	(SEAL)		
Date	9		Name of	Inventor	(SEAL)		
Date	9		Name of	Inventor	(SEAL)		
Date	9	**********	Name of	Inventor	(SEAL)		
Date	B		Name of	Inventor	(SEAL)		

PATENT REEL: 048631 FRAME: 0671

**RECORDED: 03/19/2019**