504718624 01/08/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
YUKIHIKO SATO	12/18/2017	
TAKAAKI BANNO	12/13/2017	
HARUMITSU INOUE	12/13/2017	
HARUKI MATSUMOTO	12/13/2017	
YUKIKO TAKAMI	12/14/2017	
TSUTOMU KATO	12/14/2017	
KENTARO MURAYAMA	12/14/2017	

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	15852987		

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DATE SIGNED:	01/08/2018

504718624 PATENT REEL: 044564 FRAME: 0301

Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif

PATENT REEL: 044564 FRAME: 0302

ASSIGNMENT

		(1)	Yukihiko SATO.	(5)	Yukiko TAKAMI		
(1-8) insert Name(s) of Inventor(s)	(2)	Takaaki BANNO	(6)	Tsutomu KATO			
	(3)	Harumitsu INOUE	(7)	Kentaro MURAYAMA			
		(4)	Haruki MATSUMOTO	(8)			
			in consideration of the sum of one of the undersigned, the undersigned	dollar (\$1,00) and	l other good and valuable considerations , and hereby does assign, transfer and s	naid in each	
9)	Insert Name of Assignee	(9)	BROTHER KOGYO KABUSHIK				
10) Insert Address of Assignee		(10)	ARREST STATE OF THE STATE OF TH				
•			(hereinafter designated as the Assign as defined in 35 U.S.C. §100, in the provisional, non-provisional, divisional	nee) the entire rig se invention, and al, continuation, s	ht, title and interest for the United State in all applications for patent including ubstitute, and release application(s), as ates that may be granted on the invention	any and all adalletters	
11)	Insert Identification	(11) NON-TRANSITORY STORAGE MEDIUM STORING PROGRAM READABLE BY I					
			PRINTER OR OPERATION TEI	RMINAL, LABE	L CREATING METHOD, AND THE	LABEL	
	of Invention		PRINTER	***************************************	MANAGAR XXX EN EX	,	
	such as Title, Case Number, or Foreign		HENT HENT OF THE SERVICE STATES AND ASSAULT OF THE SERVICE STATES AND ASSA	***************************************			
	Application Numbe	1	(Attorney Docket No.	***********************	arranarranarranaharran		
			for which the undersigned has (have)		cation for patent in the United States of		
(2)	Insert Date of Signing of Application	(12)	on <u>Dec. 18</u> ,	2017		THE STATE OF THE S	
13)	Alternative Identification for filed applications	(13)	U.S. application Serial Number			**************************************	
pplication application applic	applications for the in- ms and patents as the 2) The undersigned ication or continuation is in every way possible 3) The undersigned provisions of the Inte 4) The undersigned sation a grant of a valid 5) The undersigned satiliting from sald app- to convey the entire in 6) The undersigned and the undersigned satiliting from sald app- to convey the entire in 6) The undersigned and be necessary or de th.	wention Assignagee or divise in obte agree mation agree d Unite hereby fication derest hereby	i, and any patent(s) issuing thereon, mees may deem necessary. (s) to execute all papers necessary in sion thereof, or any patent or reissue a taining evidence and going forward with (s) to execute all papers and documental Convention for Protection of Industrial Convention for Protection of Industrial (s) to perform all affirmative acts while a taining evidence and request(s) the Committee of authorize(s) and request(s) the Committee (s) to the said Assignee, as Assignee herein assigned, and that he has (they grant(s) the time of Banner & Witcoff is norder to comply with the rules of the content o	and also to exert connection with application based in such interference into and perform a fall Property or sin lich may be neces in the entire time of the entire time y have) not execute. The LTD the power he United States	any act which may be necessary in control of agreements. searly to obtain, maintain or confirm by this to issue any and all Letters Patents rest, and hereby covenants that he has ted, and will not exercise, any agreement to insert on this assignment any further Patent and Trademark Office for record	on with such d concerning rate with the medion with y reissue or of the United (they have) ts in conflict kientification	
İ			ed by the undersigned on the date(s	3		•	
Date	Pec. 10		8/7 Name of Inventor	Yukihiko SATO	iko Sato El Banno	(SEAL)	
Date	<u>Dec. 13</u>	, 20	/// Name of Inventor	<i>Ta.Ka.a</i> Teksaki BANN	ti Buno	(SEAL)	
Date			Name of Inventor	Harumitsu INO	gitzu Inene	(SEAL)	
Date	Dec. 13,		Name of inventor	<u>Haruki Matsu</u>	Matsumoto moto	(SEAL)	
Date	Dec. 14,	2017	Name of Inventor	Yukiko	Takani	(SEAL)	

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2017-00631US/57PG01 17103US02

Date Dec. 14, 2017 Name of Inventor Touto Mu Kato (SEAL Date Dec. 14, 2017 Name of Inventor Rentare Murayana (SEAL Kentaro MURAYAMA)

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