PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MASATAKE SATO	10/30/2017
AKINARI ISHIBE	10/24/2017
YUMA TANABE	10/24/2017
MASAHIRO HAYASHI	10/24/2017
AKIHITO KOBAYASHI	11/07/2017

RECEIVING PARTY DATA

lame: BROTHER KOGYO KABUSHIKI KAISHA		
Street Address:	15-1 NAESHIRO-CHO, MIZUHO-KU	
City:	NAGOYA-SHI, AICHI-KEN	
State/Country:	JAPAN	
Postal Code:	467-8561	

PROPERTY NUMBERS Total: 1

Property Type	Number			
Application Number:	15717118			

CORRESPONDENCE DATA

Fax Number: (612)332-9081

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.

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ATTORNEY DOCKET NUMBER:	04492.0160P01
NAME OF SUBMITTER:	MARK L. GLEASON
SIGNATURE:	/Mark L. Gleason/
DATE SIGNED:	01/24/2018

Total Attachments: 1

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PATENT REEL: 044715 FRAME: 0455

ASSIGNMENT

		(1)	Masatake	SATO	(5)	Akihito KOBAYASHI	
(1-8) Insert		(2)	Akinari IS	ніве	(6)		
Name(s) of Inventor(s)		(3)	Yuma TAl	NABE	(7)		
		(4)	Masahiro I	HAYASHI	(8)		
			In cons of the under	ideration of the sum of on signed, the undersigned a	ne dollar (\$1.00) a ngree(s) to assign	and other good and valuable consider , and hereby does assign, transfer ar	rations paid to each
(9)	Insert Name of Assignee	(9)	BROTHER	R KOGYO KABUSHIKI	KAISHA		
(10)	Insert Address of Assignee	(10)	15-1 Naeshiro-cho, Mizuho-ku, Nagoya, Aichi, 467-8561, Japan				
			(hereinafter designated as the Assignee) the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, substitute, and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as				
(11)	Insert Identification	(11)	IMAGE RI	ECORDING APPARATT	JS CAPABLE O	F RESTRAINING ENTRY OF AIR	TO
	of Invention such as Title, Case		RECORDI	NG PORTION			
	Number, or Foreign Application Number		(Attorney D	ocket No.			
			_		executed an appli	cation for patent in the United States	of America
(12)	Insert Date of Signing of Application	(12)	on(Occ. 24, 2017	, Oct - 3	10, 2017, Nov. 7,	2017
(13)	Alternative	(13)	U.S. applica	tlon Serial Number	15/71	7,118	
	Identification for filed applications		filed	September	27, 2017		
patents a application Assigned claims of reexaminates recaminates	as the Assignees may 2) The undersigned on or continuation or e in every way possible 3) The undersigned r provisions of the Inte 4) The undersigned for a grant of a valid 5) The undersigned essulting from said appl convey the entire Inte 6) The undersigned ay be necessary or de	deem agree division in ob agree rnation agree I Unite hereb ication rest h	necessary. (s) to execute on thereof, or taining evider (s) to execut nal Conventio (s) to perfor ed States pate y authorize(s) n(s) to the sai erein assigne y grant(s) the	a all papers necessary in any patent or reissue a nee and going forward with a last papers and document for Protection of Industrian all affirmative acts went to the Assignee, and request(s) the Come d Assignee, as Assignee ad, and that he has (they firm of Merchant & Gou	connection with a pplication based in such interference and perform all Property or sin hich may be ne amissioner of Patof the entire interplace.	any act which may be necessary	red concerning any cooperate with the in connection with firm by reissue or tents of the United has (they have) full rements in conflict further identification
1	In witness whereof, e	xecu	ted by the un	dersigned on the date(s) opposite the u	ndersigned name(s).	
Date	Oct. 30	, 20	217	Name of Inventor	Masata =	e Sato	(SEAL)
Date	Ocr. 24	, 20	17		Ministration D/110	Schipe	
Date	Oct. 24,	201	7	Name of Inventor	Yuma T	anabl	_ (SEAL)
Date	Oot 24,	<u>201</u>	7	Name of Inventor	Mosohi Masahiro HAYA	zo Hoyashi SHI Xobayarhi ASHI	_ (SEAL)
Date	Nov. 7,	20	17	Name of Inventor	Okihito Akihito KOBAY	Kobayashi ASHI	_ (SEAL)
Date							

PATENT REEL: 044715 FRAME: 0456

RECORDED: 01/24/2018