505234364 12/13/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
SHUNSUKE MINAMIKAWA	10/25/2018	
KENTA HORADE	10/25/2018	

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	16218627		

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	36583
NAME OF SUBMITTER:	PAUL J. ESATTO, JR.
SIGNATURE:	/Paul J. Esatto, Jr./
DATE SIGNED:	12/13/2018

Total Attachments: 1

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PATENT 505234364 REEL: 047763 FRAME: 0367

ASSIGNMENT

		(1)	Shunsuke M	IINAMIKAWA	(5)		
(1-8)	Insert	(2)	Kenta HOR	ADE	(6)		
	Name(s) of Inventor(s)	(3)	gament and according to the last for the according to the accor	androden believe beste b	(7)		***************************************
		(4)			(8)		-
			In consideration	of the sum of one dol	lar (\$1.00) and other good	d and valuable considerations does assign, transfer and set	paid to each of
(9)	Insert Name of Assignee	(9)	BROTHER K	OGYO KABUSHIKI	KAISHA		
(10)	insert Address of Assignee	(10)	15-1, Naeshiro-cho, Mizuho-ku, Nagoya, Aichi 467-8561, Japan				
)	defined in 35 U.S. non-provisional, o	.C. §100, in the invent divisional, continuation	ion, and in all applications n, substitute, and reiss	l interest for the United States is for patent including any and ue application(s), and all L rranted on the invention known	all provisional, etters Patent,
(11)	Insert Identification of Invention such as Title, Case	(11)	Image Form	ing Apparatus an	d Computer-Reada	ble Storage Medium	
	Number, or Foreign Application Number		(Attorney Docks	et No. 36583	š		
		1	or which the unde	ersigned has (have) ex		patent in the United States of	America
(12)	Insert Date of Signing of Application	(12)	on <u>O</u>	ct. 25, 20	>18		***************************************
(13)	Alternative Identification for filed applications	(13)	U.S. application	,			
pplication atents as 2 pplication n every w 3 r provision 4 eexamina 5 states res ght to cor 6 dentification f this doc	is for the invention, and the Assignees may de or confinuation or division of the international of the undersigned aution a grant of a valid to the undersigned healthing from said application or division or div	I any present the state of the	patent(s) issuing necessary. s) to execute all patereof, or any patereof, or any patereof, to execute all patereof for Protect (s) to perform all d States patent to authorize(s) and s) to the said Assin assigned, and the grant(s) the firm of or desirable in or	thereon, and also to element or reissue application or reissue application or and documents a sign of industrial Propers and documents a sign of industrial Propers affirmative acts while the Assignee. request(s) the Commignee, as Assignee of at he has (they have) of Scully, Scott, Murgder to comply with the	recute separate assignment on based thereon, for the inference. In a separate assignment on based thereon, for the inference and perform any act which the original agreements on may be necessary to issioner of Patents to issect the entire interest, and hoot executed, and will not only & Presser, PC the purules of the United States	obtain, maintain or confirm ue any and all Letters Paients ereby covenants that he has (execute, any agreements in co ower to insert on this assignment Patent and Trademark Office to	oncerning any in the Assignee on with claims by reissue or a of the United they have) full inflict herewith, ant any further
In				•	opposite the undersign		
Date	Oct , 2	5	2018	Name of Inventor	Shunsuke Shunsuke MINAM	Minamikawa IKAWA	_ (SEAL)
Date	oct.	2.5	,2018	Name of Inventor	Kenta HORADE	Horade	(SEAL)
Date			······································	Name of Inventor			(SEAL)
Date				Name of Inventor			_ (SEAL)

Name of Inventor

PATENT REEL: 047763 FRAME: 0368