504662168 11/29/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YASUMASA FUJII	11/22/2017
HISASHI TSUKAWAKI	11/27/2017

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15825764

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Address Line 2: MERCHANT & GOULD PC

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ATTORNEY DOCKET NUMBER:	04491.0095FP01
NAME OF SUBMITTER:	MARK L. GLEASON
SIGNATURE:	/Mark L. Gleason/
DATE SIGNED:	11/29/2017

Total Attachments: 1

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PATENT REEL: 044249 FRAME: 0913 504662168

2017-00373 US/57EG01

ASSIGNMENT

		(1)	Yasumasa FUJII	(5)
(1-8) Insert Name(s) of Inventor(s)		(2)	Hisashi TSUKAWAKI	(6)
	. , ,	(3)		
		(4)		
				\$1.00) and other good and valuable considerations paid to each to assign, and hereby does assign, transfer and set over to
(9)	Insert Name of Assignee	(9)	BROTHER KOGYO KABUSHIKI KAIS	HA
	Insert Address of Assignee	(10)	15-1 Naeshiro-cho, Mizuho-ku, Nagoya	a, Aichi 467-8561, Japan
(11)	Insert Identification of Invention such as Title, Case	(11)	defined in 35 U.S.C. §100, in the invention, an non-provisional, divisional, continuation, su	entire right, title and interest for the United States of America as nd in all applications for patent including any and all provisional, ubstitute, and reissue application(s), and all Letters Patent, ficates that may be granted on the invention known as tus Having the Same
	Number, or Foreign Application Number		(Attorney Docket No. 04491.0098	5FP01
			for which the undersigned has (have) execute	ed an application for patent in the United States of America
12)	Insert Date of Signing of	(12)	on 160 22 2017	1, Nov. 27, 2017
	Application			
(13)	Application Alternative Identification for	(13)	U.S. application Serial Number 1	5/825,764

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

6) The undersigned hereby grant(s) the firm of Merchant & Gould P.C. 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

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	nov 22, 2017	Name of Inventor	Jasumosa Fruju	_ (SEAL)
Date	nov. 27, 2017	Name of Inventor $\underline{\mathcal{H}}$	sumasa FUJII USUSKU TSUKAWAKI ashi TSUKAWAKI	_ (SEAL)
Date		Name of Inventor		(SEAL)
Date		Name of Inventor		_ (SEAL)
Date		Name of Inventor		_ (SEAL)

PATENT REEL: 044249 FRAME: 0914