503480464 09/15/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3527089

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

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Name	Execution Date
KAZUNA TAGUCHI	09/07/2015
YASUO FUKAMACHI	09/08/2015

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	14851021		

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SIGNATURE:	/Gary D. Fedorochko/
DATE SIGNED:	09/15/2015

Total Attachments: 1

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PATENT 503480464 REEL: 036569 FRAME: 0783

ASSIGNMENT

		(1)	Kazuna T	AGUCHI	(5)			
(1-8) Insert Name(s) of Inventor(s)	(2)	Yasuo F(ЈКАМАСНІ	(6)				
		(3)]=====			***************************************		
		(4)						
			In consid	leration of the sum of one d	ollar (\$1,00) and o	iher good and valuable consid hereby does assign, transfer	lerations paid to each o	
(9)	Insert Name of Assignee	(9)	BROTHER KOGYO KABUSHIKI KAISHA					
(10)	Insert Address of Assignee	(10)) 15-1 Naeshiro-cho, Mizuho-ku, Nagoya, Aichi, 467-8561, Japan					
			defined in non-provisi	(hereinafter designated as the Assignee) the entire right, title and interest for the United States of America defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provision non-provisional, divisional, continuation, substitute, and reissue application(s), and all Letters Pate extensions, relssues and reexamination certificates that may be granted on the invention known as				
(11)	Insert Identification	(11)	DEVELO	PING CARTRIDGE INCL	UDING ELECTR	ODE AND PROTRUSION		
	of Invention such as Title, Case							
	Number, or Foreign Application Number	1	(Attorney					
	7,1			-		tion for patent in the United St		
(12)	Insert Date of Signing of Application	(12)	on _	Sep. 7, 20	15 , Se	p.f, 2015	·····	
(13)	Alternative	(13)	U.S. applic	cation Serial Number				
	Identification for filed applications		filed					
patents applicati Assigne claims o reexami States re right to herewith	ons for the invention, as the Assignees may 2) The undersigned on or continuation or e in every way possib 3) The undersigned or provisions of the Interest of	and aid deen deen division deen division deen division deen deen deen deen deen deen deen de	ny patent(s) In necessary. In necessary. It is to exect on thereof, btaining evid e(s) to exect e(s) to per ed States pr ey authorize en(s) to the s herein assig ey grant(s) to le in order	issuing thereon, and also to the all papers necessary in or any patent or reissue a lence and going forward with unter all papers and docume ion for Protection of Industriform all affirmative acts we stent to the Assignee. (s) and request(s) the Compaid Assignee, as Assignee and that he has (they the firm of Banner & Witco to comply with the rules of	execute separate connection with an pplication based to such interference ents and perform all Property or similablich may be necessissioner of Pater of the entire interest have) not execute the United States	any act which may be neces ar agreements. essary to obtain, maintain or ats to issue any and all Letter st, and hereby covenants that ed, and will not execute, any to insert on this assignment. Patent and Trademark Office	th such applications and declared concerning any it to cooperate with the sary in connection with confirm by reissue or Patents of the United the has (they have) ful agreements in confliciony further identification	
				undersigned on the date(s				
Date	. <u>SED- / ,</u>		15	. Name of Inventor	Kazuna TAGUCH	Jaguer	(SEAL)	
Date	Sep. 8,	20	15	Name of Inventor	Yasuo FIKAMAC	Frakmachi	(SEAL)	
Date	•							
Date	granden annen och till terter och treter	***********	243	Name of Inventor			(SEAL)	
Date				Name of inventor	······································		(SEAL)	
Date				Name of Inventor		~~~~	(SEAL)	

PATENT REEL: 036569 FRAME: 0784

RECORDED: 09/15/2015