PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date		
NAO ITABASHI	08/09/2012		
NAOYA KAMIMURA	08/09/2012		
RYUYA YAMAZAKI	08/09/2012		
HIDESHI NISHIYAMA	08/09/2012		

RECEIVING PARTY DATA

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State/Country:	JAPAN			
Postal Code:	467-8561			

PROPERTY NUMBERS Total: 1

Property Type	Number						
Application Number:	16829909						

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:	15374.0132FPC2
NAME OF SUBMITTER:	MARK L. GLEASON
SIGNATURE:	/Mark L. Gleason/
DATE SIGNED:	03/25/2020

Total Attachments: 1

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PATENT 505984882 REEL: 052227 FRAME: 0623

ASSIGNMENT

		(1)	Nao ITA	BAŞHI		(5)			_		
(1-8) Insert Name(s) of inventor(s)	•	(2)	_Naoya K	AMIMURA		(6)					
	(3)	Ryuya Y	AMAZAKI		(7)						
		(4)	Hiđe s hi l	NISHIYAMA		(8)					
				deration of the sum of one igned, the undersigned ag							
(9)	Insert Name of Assignee	(9)	BROTH	BROTHER KOGYO KABUSHIKI KAISHA							
(10)	Insert Address of Assignee	(10)	15-1 Nac	15-1 Naeshiro-cho, Mizuho-ku, Nagoya, Aichi, 467-8561, Japan							
			defined in non-provis	er designated as the Assig 35 U.S.C. §100, in the in lonal, divisional, continu s, relssues and reexaminal	vention ation,	, and in all substitute,	application and reise	is for pate sue appli	nt including ar cation(s), and	ny and a dall Le	ll provisional, tters Patent,
(11)	Insert Identification	(11)	DEVELO	PING CARTRIDGE PR	OVID	ED WITH	COVER, A	ND PRO	CESS CARTI	RIDGE	
•	of Invention such as Title, Case		HAVING THE SAME								
	Number, or Foreign Application Numbe		(Attorney	Docket No.							
			for which t	he undersigned has (have) execı	ited an app	lication for	patent in t	ne United Stat	tes of Am	nerica
(12)	Insert Date of Signing of Application	(12)	on .	au	g .	9,2	012				
(13)	Alternative	(13)	U.S. appli	cation Serial Number		16/82	29,909		•		
	Identification for filed applications		filed	March	25, 2	2020					
application patents a papelication Assigned claims or reexaming States regight to cherewith.	ons for the invention, as the Assignees may 2). The undersigned on or continuation or e in every way possible 3). The undersigned provisions of the Inte 4). The undersigned sation a grant of a validation a grant of a validation from said appronvey the entire Inte 6). The undersigned as the undersi	and and and agree division e in obtine agree division agree divisi	y patent(s) necessary (s) to exect on thereof, otalning evidenal Converned States pay authorizen(s) to the lerein assign y grant(s)	ute all papers necessary in Issuing thereon, and also in the all papers necessary in or any patent or reissue dence and going forward woute all papers and document of Protection of Industry form all affirmative acts attent to the Assignee. (a) and request(s) the Cosaid Assignee, as Assigned, and that he has (the firm of Banner & With the comply with the rules	n connapplice of the conficient of the conficien	ection with ation base th interferer and perfor roperty or s may be resioner of Ple entire Interference on the potential poten	any interfed thereon, noce. many act imilar agree necessary tatents to is terest, and cuted, and wer to Inser	rence whifor the in which magnets. o obtain, sue any a hereby co will not e	nnection with ch may be de vention, and it y be necessa maintain or cond all Letters venants that had assignment ar assignment ar	such appearance of a cooperance of a cooperanc	onceming any prate with the nnection with by relssue or of the United hey have) full hats in conflict ridentification
		execu	ted by the	undersigned on the date	e(s) op	posite the	undersign	ed name	s).		
Date	Aug.	9	, 2012	Name of Invento	· —	Mao ITABA	o Sta	bashi			(SEAL)
Date	Aug	. 9	, 201.	Name of Invento	r	Naoya KAM	laoya	Fair	novoroa		(SEAL)
Date	<u>, Nug.</u> .	9,	,2012	Name of Invento		Ry	. 4.	ogoki <u> </u>			(SEAL)
Date	ang	g,	2012	Name of invento		leshi NISHI		Arros 16	iclospi Mish	izara.	(SEAL)

PATENT REEL: 052227 FRAME: 0624

RECORDED: 03/25/2020