505142920 10/16/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
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ATSUHISA NAKASHIMA	02/17/2009

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	16161186		

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NAME OF SUBMITTER:	GARY D. FEDOROCHKO
SIGNATURE:	/Gary D. Fedorochko/
DATE SIGNED:	10/16/2018

Total Attachments: 1

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PATENT REEL: 047174 FRAME: 0114

505142920

ASSIGNMENT

		(1)	Naoya KAMIMURA	(5)		
(1-8)	Insert	(2)	Atsuhisa NAKASHIMA	(6)		
Name(s) of Inventor(s)		(3)				
		(4)				
			In consideration of the sum of one deach of the undersigned, the undersign over to	ollar (\$1.00) and other good	and valuable considerations paid to	
(9)	Insert Name of Assignee	(9)	BROTHER KOGYO KABUSHIKI P	(AISHA		
(10) Insert Address of Assignee (10) 15-1 Naeshiro-cho, Mizuho-ku, Nagoya-shi, Aichi-ken 467-8561,					467-8561, Japan	
			(hereinafter designated as the Assignee, as defined in 35 U.S.C. §100, in the in provisional, non-provisional, divisional, of Patent, extensions, reissues and reexample.)	ovention, and in all application ontinuation, substitute, and i	ons for patent including any and all reissue application(s), and all Letters	
(11)	Insert Identification of Invention such as Title, Case	(11)	IMAGE FORMING APPARAT	US AND PROCESS CA	RTRIDGE	
	Number, or Foreign Application Number		(Attorney Docket No.			
			for which the undersigned has (have) executed an application for patent in the United States of America			
(12)	Insert Date of Signing of Application	(12)	on <u>Feb. 17, 200</u>	9		
(13)	Alternative Identification for filed applications	(13)	U.S. application Serial Number filed December 22			
reissue a application any appli Assigned claims or reexamin States re full right therewith identifica recordati	applications for the income and patents as the 2) The undersigned cation or continuation in every way possible 3) The undersigned provisions of the Interval of the undersigned action a grant of a validation a grant of a validation from said approcessively of the undersigned sulting from said approcessively of the undersigned sulting from the undersigned to the undersigned to the undersigned that the undersigned the undersigned that the undersigne	ventione Assignation agreement of the ag	e(s) to execute all papers necessary in one, and any patent(s) issuing thereon, and gnees may deem necessary. (s) to execute all papers necessary in consistent thereof, or any patent or reissue apportaining evidence and going forward with some (s) to execute all papers and documents all Convention for Protection of Industrial e(s) to perform all affirmative acts which ed States patent to the Assignee. You authorize(s) and request(s) the Commission(s) to the said Assignee, as Assignee of therein assigned, and that he has (they have been provided in order to comply with the complex of the complex in order to comply with the complex of the comp	d also to execute separate a nnection with any interference ilication based thereon, for the uch interference. and perform any act which is Property or similar agreement may be necessary to obtain sioner of Patents to issue any the entire interest, and here we) not executed, and will not coff, LTD the power to institute rules of the United States.	e which may be declared concerning invention, and to cooperate with the may be necessary in connection with ts. In, maintain or confirm by reissue or and all Letters Patents of the United by covenants that he has (they have) to execute, any agreements in conflict ert on this assignment any further es Patent and Trademark Office for	
Date	Feb. 17	, 2	Name of Inventor	Maoya Ka	mimura (SEAL)	
Date	Feb. 17 Seb. 17	<u>, 2</u>	Name of Inventor _	Maoya Ka Atachia hela	zuhima (SEAL)	
Date			Name of Inventor		(SEAL)	
Date			Name of Inventor _		(SEAL)	
Date		-	Name of Inventor		(SEAL)	

PATENT REEL: 047174 FRAME: 0115

Name of Inventor _____ (SEAL)

RECORDED: 10/16/2018

Date