505339644 02/21/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5386426

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
YUICHI MATSUSHITA	02/01/2019
HIROSHIGE HIRAMATSU	09/15/2017
CHIEKO MIMURA	09/15/2017
KENGO YADA	09/15/2017
HOTAKA KAKUTANI	09/15/2017
SHOTA IRIYAMA	09/19/2017

RECEIVING PARTY DATA

Name:	BROTHER KOGYO KABUSHIKI KAISHA
Street Address:	15-1, NAESHIRO-CHO, MIZUHO-KU
City:	NAGOYA, AICHI
State/Country:	JAPAN
Postal Code:	467-8561

PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	15711393		

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	34991
NAME OF SUBMITTER:	PAUL J. ESATTO, JR.
SIGNATURE:	/Paul J. Esatto, Jr./
DATE SIGNED:	02/21/2019

PATENT 505339644 REEL: 048398 FRAME: 0864

Total Attachments: 2 source=Assignments#page1.tif

source=Assignments#page2.tif

PATENT REEL: 048398 FRAME: 0865

ASSIGNMENT

		(1) _	Yuichi MATSUSHITA	(5)	Hotaka KAKUTANI		
(1-8) Insert Name(s) of Inventor(s)	(2)	Hiroshige HIRAMATSU	(6)	Shota IRIYAMA			
	(3)	Chieko MIMURA	(7)				
		(4)	Kengo YADA	(8)			
		each o			d other good and valuable consideration hereby does assign, transfer and set ov		
(9)	9) insert Name of Assignee		BROTHER KOGYO KABUS	SHIKI KAISHA			
(10)	Insert Address of Assignee	(10)	15-1 Naeshiro-cho, Mizuho-ku, Nagoya, Aichi, 467-8561, Japan				
		defined non-pro	I in 35 U.S.C. §100, in the inv	vention, and in all applicat n, substitute, and reissue	and interest for the United States of A ions for patent including any and all p application(s), and all Letters Patent, e e invention known as	rovisional,	
(11)	Insert Identification	(11)	IMAGE FORMING APPAR	ATUS HAVING IMAGE	BEARING MEMBER AND COLLEC	TION	
	of invention such as Title, Case		DEVICE TO COLLECT MATERIALS ADHERED ON THE IMAGE BEARING MEMBER				
	Number, or Foreign Application Number	(Attorn	ey Docket No.)	
		for whi	ch the undersigned has (have) e	executed an application for	patent in the United States of America		
(12)	Insert Date of Signing of Application	(12)	on February 1	, 2019			
(13) Alternative		(13)	U.S. application Serial Number	er			
	Identification for filed applications	filed	September 21, 2017				
as the A applicat every w provisio grant of resulting the enti	ions for the invention, and any assignees may deem necessa 2) The undersigned agree ion or continuation or division ay possible in obtaining evider 3) The undersigned agree (ns of the International Conver 4) The undersigned agree (a valid United States patent to 5) The undersigned hereby g from said application(s) to the interest herein assigned, an 6) The undersigned herebation which may be necessarient.	r patent(s) ry. (s) to ex- thereof, noe and g s) to exe sition for P s) to perfo o the Assi r authoriz- ne said A: d that he y grant(s)	ecute all papers necessary in or any patent or reissue applications forward with such interference all papers and documents rotection of Industrial Property or all affirmative acts which mignee. e(s) and request(s) the Commissignee, as Assignee of the enth has (they have) not executed, a) the firm of Scully, Scott, Mable in order to comply with the	connection with any inter- ation based thereon, for the once. and perform any act which is similar agreements. any be necessary to obtain, issioner of Patents to issue ite interest, and hereby covered will not execute, any agriurphy & Presser PC the rules of the United States I	e power to insert on this assignment and Trademark Office for recorda	and patents erning any assignee in th claims or amination a hited States to convey any further	
	in witness whereof, execut	ed by me	e undersigned on the date(s) o	*	17		
Dat	e February 1,	201	Name of Inventor	YUJUNI MATSUSHITA	Matrushita "	SEAL)	
Dat	e		Name of Inventor	Hiroshige HIRAMATSU	(6	SEAL)	
Dat	e		Name of Inventor	Chieko MIMURA	(8	SEAL)	
Dat	e		Name of Inventor	Kengo YADA	(SEAL)	
Dat	e management of the state of th		Name of Inventor	Hotaka KAKUTANI	(SEAL)	
Dat	ne		Name of Inventor	Shota IRIYAMA	(SEAL)	
Daf	·n		Name of Inventor		4	SEALV	

PATENT REEL: 048398 FRAME: 0866

ASSIGNMENT

		(1)	Yuichi MATSUSHITA	(5)	Hotaka KAKUTANI	
(1-8)	Insert	(2)	Hiroshige HIRAMATSU	(6)	Shota IRIYAMA	
Name(s) of inventor(s)		(3)	Chieko MIMURA	(7)		
		(4)	Kengo YADA	(8)		
		each o	In consideration of the sufficient the undersigned, the undersigned	um of one dollar (\$1.00) and gned agree(s) to assign, and I	other good and valuable considerations paid to nereby does assign, transfer and set over to	
(9)	Insert Name of Assignee	(9)	BBULHEB KUGAU KYBI	ICTUAL A VIOLIV		
(10)	Insert Address of Assignee	(10)	BROTHER KOGYO KABUSHIKI KAISHA 15-1 Naeshiro-cho, Mizuho-ku, Nagoya, Aichi, 467-8561, Japan			
(hereinafter designated as the Assignee) the entire right, title and interest for the United States defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and non-provisional, divisional, continuation, substitute, and reissue application(s), and all Letters Pate reissues and reexamination certificates that may be granted on the invention known as					nd interest for the United States of America as ons for patent including any and all provisional, polication(s), and all Letters Patent, extensions.	
(11)	Insert Identification	(11)	IMAGE FORMING APPA	RATUS HAVING IMAGE I	BEARING MEMBER AND COLLECTION	
	of Invention such as Title, Case			· · · · · · · · · · · · · · · · · · ·	N THE IMAGE BEARING MEMBER	
	Number, or Foreign Application Number	(Attom	ey Docket No.)	
		for whic	ch the undersigned has (have)	executed an application for pa	atent in the United States of America	
(12)	insert Date of Signing of Application	(12)	on _ Sep. 15,200	7 Jep. 1	9,2017	
(13)	Alternative	(13)	U.S. application Serial Numb	er	,	
	Identification for filed applications	filed				
applicati every wa provision grant of resulting the entire	assignees may deem necessar 2) The undersigned agree(s) ion or continuation or division to a possible in obtaining eviden. 3) The undersigned agree(s) as of the International Conventi 4) The undersigned agree(s) a valid United States patent to 5) The undersigned hereby if rom said application(s) to the e Interest herein assigned, and 6) The undersigned hereby ation which may be necessary	y. s) to exectinereof, once and go) to exection for Pro) to perform the Assignation authorized said Assignant(s)	cute all papers necessary in or any patent or reissue applica- point forward with such interfere ute all papers and documents otection of Industrial Property of m all affirmative acts which manals. (s) and request(s) the Commosignee, as Assignee of the entals the firm of Scully. Scott. the firm of Scully.	connection with any interfer ation based thereon, for the innee. Is and perform any act which or similar agreements. In any be necessary to obtain, not issioner of Patents to issue a tire interest, and hereby cover- and will not execute, any agree luroby & Presser PC the re-	rence which may be declared concerning any nvention, and to cooperate with the Assignee in may be necessary in connection with claims or naintain or confirm by reissue or reexamination a any and all Letters Patents of the United States nents that he has (they have) full right to convey sower to insert on this assignment any further tent and Trademark Office for recordation of this	
	In witness whereof, execute	d by the	undersigned on the date(s) o	opposite the undersigned n	ame(s).	
Date			Name of Inventor	Yuichi MATSUSHITA	(SEAL)	
Date	Sep. 15.20	17	Name of Inventor	Wosefuge Tow	imator (SEAL)	
Date	dep. 15, 201	7	Name of Inventor	Chieko (Mim	ura (SEAL)	
Date	15 W	17	Name of Inventor	Chieko MIMURA Hen go Jado	(SEAL)	
Date	Sep. 15,901	7	Name of inventor	Hotaku Ku	hutani, (SEAL)	
Date	Sep 19, 29/	7_	Name of Inventor	Shota Jry Shota TRIYAMA	Vauna (SEAL)	
Date			Name of Inventor		(SEAL)	

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RECORDED: 02/21/2019