502865455 06/24/2014

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
Keita SHIMIZU	06/03/2014

RECEIVING PARTY DATA

Name:	BROTHER INDUSTRIES, LTD.	
Street Address:	15-1 Naeshiro-cho	
Internal Address:	Mizuho-ku	
City:	Nagoya-shi, Aichi-ken	
State/Country:	Japan	
Postal Code:	467-8561	

PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	29494811		

CORRESPONDENCE DATA

Fax Number: (703)836-2787

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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Email: email@oliff.com
Correspondent Name: JAMES A. OLIFF
Address Line 1: OLIFF PLC

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Address Line 4: ALEXANDRIA, VIRGINIA 22320-4850

ATTORNEY DOCKET NUMBER:	161827	
NAME OF SUBMITTER:	CAMERON ROGERS	
SIGNATURE:	/Cameron Rogers/ for James A. Oliff	
DATE SIGNED:	06/24/2014	

Total Attachments: 1

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PATENT REEL: 033169 FRAME: 0933

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ASSIGNMENT

		(1)	Keita SHIMIZU	(5)			
(1-8) Insert Name(s) of Inventor(s)		(2)		(6)			
		(3)					
		(4)			· · · · · · · · · · · · · · · · · · ·		
(4)			In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to				
(9)	Insert Name of Assignee	(9)	BROTHER INDUST	RIES, LTD.			
(10)	Insert Address of Assignee	(10)	15-1 Naeshiro-cho, Mizuho-ku, Nagoya-shi, Aichi-ken, 467-8561 Japan				
	·		(hereinafter designated as the Assignee) the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, substitute, and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as				
(11)	Insert Identification	(11)	DETECTED PART FOR TO	ONER CARTRIDGE			
	of Invention such as Title, Case Number, or Foreig Application Number	n	(Attorney Docket No.	161827)	
			for which the undersigned has (have) executed an applica	tion for patent in the United State	es of America	
(12)	Insert Date of Signing of Application	(12)	on Jun, 3	, 2014		<u> </u>	
(13)	Alternative Identification for filed applications		U.S. application Serial Number	2014			
application any application any application application application and application applic	applications for the incons and patents as the 2) The undersigned lication or continuation in every way possib 3) The undersigned or provisions of the Interest 4) The undersigned mation a grant of a variable to convey the entire inconvey the enti	nvention Ass a gree of a g	e(s) to execute all papers necesion, and any patent(s) issuing the ignees may deem necessary. e(s) to execute all papers necessivision thereof, or any patent or relationing evidence and going forwards to execute all papers and do anal Convention for Protection of le(s) to perform all affirmative acted States patent to the Assignee by authorize(s) and request(s) the on(s) to the said Assignee, as Asigneein assigned, and that he has by grant(s) the firm of OLIFF & Ele in order to comply with the rule	sary in connection with an ssue application based the ard with such interference occuments and perform an industrial Property or similates which may be necessed. Commissioner of Patents signee of the entire interest (they have) not executed BERRIDGE the power to be sof the United States Page 1981.	e separate assignments in conr y interference which may be decereon, for the invention, and to consult of the invention, and to consult of the invention of the	clared concerning coperate with the n connection with m by reissue or ents of the United e has (they have) ements in conflict rither identification	
			uted by the undersigned on the		t t		
Date	Jun. 3	, 2	0 4 Name of Inv	entor Muta	Shimiy	(SEAL)	
Date			Name of Inv	entor		(SEAL)	
Date			Name of inv	entor		(SEAL)	
Date	·		Name of Inv	entor		(SEAL)	
Date	· ·		Name of Inv	entor		(SEAL)	
Date	·		Name of Inv	entor		(SEAL)	

PATENT REEL: 033169 FRAME: 0934

RECORDED: 06/24/2014