PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3015210

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SUGURU TOMOGUCHI	04/11/2013
NORITSUGU ITO	04/11/2013
AKINORI IGARASHI	04/11/2013
TADANOBU CHIKAMOTO	04/08/2013
HIDEKI SHIOYA	04/18/2013

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PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	14481451		

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	CHAD M. CULLEN
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DATE SIGNED:	09/09/2014

Total Attachments: 1

PATENT **REEL: 033702 FRAME: 0467** $source = Assignment_2354con_2709\#page1.tif$

PATENT REEL: 033702 FRAME: 0468

2012-01168 US/57CR22

		(1)	Suguru TOM	10GUCHI	(5)	Hideki SHIOYA	Pré-Publica et europa e en constant e e
(1-8)	Insert	(2)	Noritsugu IT	0	(6)	THE SAME AND A SECOND S	d-(distay, mandalay, yanadalay, yan, maday, yan
Name(s) of Inventor(s)		(3)	Akinori IGAF	RASHI	(7)	·	
		(4)	Tadanobu C	HIKAMOTO	(8)		
-					ne dollar (\$1.00)	and other good and valuable compositions; and hereby does assign	siderations paid to
(8)	insert Name of Assignee	(9)	BROTHER K	OGYO KABUSHIKI	KAISHA		
(10)	Insert Address of Assignee	(10)	15-1 Naeshiro-cho, Mizuko-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 36 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)	CARTRIDGE	ES AND RECORDIN	IG APPARATU	SES	,
	of Invention such as Title, Case Number, or Foreig		Co				จะเกาะเหล่า
	Application Number		(Attorney Dock	ret No.	076376.23	54	
14.03	1 485.4 . 8					lcation for patent in the United Stat	les of America
(12)	insert Date of Signing of Application	(12)	on Apr	c. 8, 2013 , f	pr.11,2011	Apr. 18, 2013	######################################
(13)	Alternative identification for filed applications	(13)	U.S. application	ecember 5, 2012	13/706,109		100 ¹¹ 00000111100000111110000111110000
applicati any appi Assigne claims o reexami States re full right herewith	ons and patents as the 2) The undersigned lication or continuation in avery way possib 3) The undersigned or provisions of the interest of the undersigned appears of a value of the undersigned esulting from said appet to convey the entire interest of the undersigned ay be necessary or designed as the undersigned as the undersigned ay be necessary or designed.	le Assil agree or divide in of the interesting the intere	gnees may deen of s) to execute a delon thereof, or otalining evidence of s) to execute a nat Convention for s) to perform a ded States patent by authorize(s) and sherein assigned by grant(s) the fir	n necessary. Il papers necessary in any patent or reissue a and going forward will papers and docume or Protection of Industral affirmative acts who to the Assignee, and request(s) the Commassignee, and that he has (they more BAKER BOTTS	connection with application based in such interferentis and perform rial Property or sir fich may be necessioner of Pates of the entire inter have) not executive the power t	any act which may be necessary	eclared concerning cooperate with the in connection with firm by reissue or tents of the United te has (they have) tements in conflict wither identification
	In witness whereof,	execu	ited by the unde	rsigned on the date(s) opposite the I	undersigned name(s).	
Date	Apr, 11	<i>)</i> 5	2013	Name of Inventor	<u>Sugug</u>	u lomogychi	(SEAL)
Date	Apr., 11	<u>, ۷</u>	013	Name of Inventor	parito	mys Oto	(SEAL)
Date	Ap+, 11	,) e	9/3	Name of Inventor	Akinon'	Igataski	(SEAL)
Date	Apr. 8.	20	ι3	Name of Inventor	Tadanob	a CHIKAMOTO	(SEAL)
Date	Apr.18	<u>, 2</u>	013	Name of Inventor	Hidek	ci Shioya	(SEAL)
Date				Name of Inventor			(SEAL)

ASSIGNMENT

PATENT **REEL: 033702 FRAME: 0469**