#### 01/23/2015 503149164

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Yasuhiko KAWAGUCHI	01/06/2015
Nobuhiko FUNATO	01/06/2015
Toshiyuki MAMIYA	01/06/2015
Takahira OSAMURA	01/06/2015

#### **RECEIVING PARTY DATA**

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#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14604053

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SIGNATURE:	/Antoinette Sharp/ for James A. Oliff
DATE SIGNED:	01/23/2015

**Total Attachments: 1** 

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**PATENT** REEL: 034801 FRAME: 0389

503149164

## ASSIGNMENT

			Yasuhiko KAWAGUCHI			
(1-8)	Insert	(2)	Nobuhiko FUNATO	(6)		
	Name(s) of Inventor(s)	(3)	Toshiyuki MAMIYA			
		(4)	Takahira OSAMURA			
		paid to set ove	In consideration of the seach of the undersigned, each	o, 12) railob ene fo mu	0) and other good and va	luable consideration
(9)	Insert Name of Assignee	(9)	SPOTUER VOCVO VARU	CHINITYATONIA		
(01)	Insert Address of Assignce		BROTHER KOGYO KABU			
	Assignee	(10)	15-1, Naeshiro-cho, Mizuho			
		the enti inventio continu	after designated as the Assigned re right, title and interest for the on, and in all applications for plation, international, confirmations, reissues and reexaminations,	e United States of Amer atent including any and on, substitute and reissu	rica as defined in 35 U.S.C all provisional, non-provide acapplication(s), and all L.	2. §100, in the sional, divisional, effers Patent
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	Identification such as Title, Case					
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		OH CACH	ch the undersigned has (have) date herewith or	executed an applicatio	n for patent in the United	States of America
(12)	Insert Date of		~ <del>~</del>	2./		٠,
	Signing of	(12) on	Jan.	06, 2013	<u> </u>	
	Application	•				
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PATENT REEL: 034801 FRAME: 0390

**RECORDED: 01/23/2015**