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(12) **United States Design Patent**
Fujii et al.

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(54) **ACTUATOR**

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(73) Assignee: **SMK Corporation**, Tokyo (JP)

(**) Term: **14 Years**

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(30) **Foreign Application Priority Data**

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Aug. 26, 2014	(JP)	2014-18573

(51) **LOC (10) Cl.** **14-03**

(52) **U.S. Cl.**
USPC **D14/240**

(58) **Field of Classification Search**
USPC D15/143; D14/240; D13/112, 158,
D13/166-169
CPC G06F 3/016
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D478,071 S *	8/2003	Teymouri	D14/240
7,126,259 B2 *	10/2006	Moler	H02N 2/043 310/328
D614,144 S *	4/2010	Arosio	D13/158

D624,572 S *	9/2010	Fukano	D13/158
D656,169 S *	3/2012	Fukano	D15/143
D677,624 S *	3/2013	Goodman	D13/112
D696,651 S *	12/2013	Ohashi	D14/240
D696,652 S *	12/2013	Ohashi	D14/240
D696,653 S *	12/2013	Ohashi	D14/240
D708,239 S *	7/2014	Lin	D15/143
D732,047 S *	6/2015	Brouillette	D14/454
2006/0050059 A1 *	3/2006	Satoh	G06F 3/041 345/173
2011/0163634 A1 *	7/2011	Kim	H01L 41/0906 310/328

(Continued)

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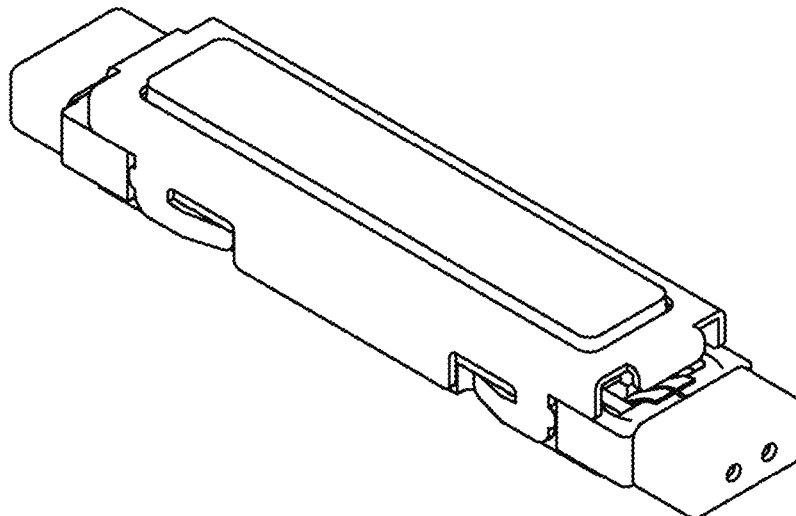
(57) **CLAIM**

The ornamental design for an actuator, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of an actuator according to a first embodiment of our new ornamental design; FIG. 2 is a rear perspective view thereof; FIG. 3 is a front view thereof; FIG. 4 is a rear view thereof; FIG. 5 is a top plan view thereof; FIG. 6 is a bottom plan view thereof; FIG. 7 is a right-side view thereof; FIG. 8 is a front perspective view of an actuator according to a second embodiment of our new ornamental design; FIG. 9 is a rear perspective view thereof; FIG. 10 is a front view thereof; FIG. 11 is a rear view thereof; FIG. 12 is a top plan view thereof; FIG. 13 is a bottom plan view thereof; and, FIG. 14 is a right-side view thereof.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2011/0260995	A1*	10/2011	Woo	.....	G06F 3/016	345/173
2012/0038471	A1*	2/2012	Kim	.....	H04N 1/00411	340/407.2
2013/0335354	A1*	12/2013	Zellers	.....	H01L 41/0926	345/173
2014/0085065	A1*	3/2014	Biggs	.....	G06F 3/016	340/407.2
2014/0347283	A1*	11/2014	Kim	.....	G06F 3/016	345/173
2015/0155470	A1*	6/2015	Mori	.....	G06F 3/016	310/326
2016/0018894	A1*	1/2016	Yliaho	.....	G06F 3/016	345/177

* cited by examiner

FIG. 1

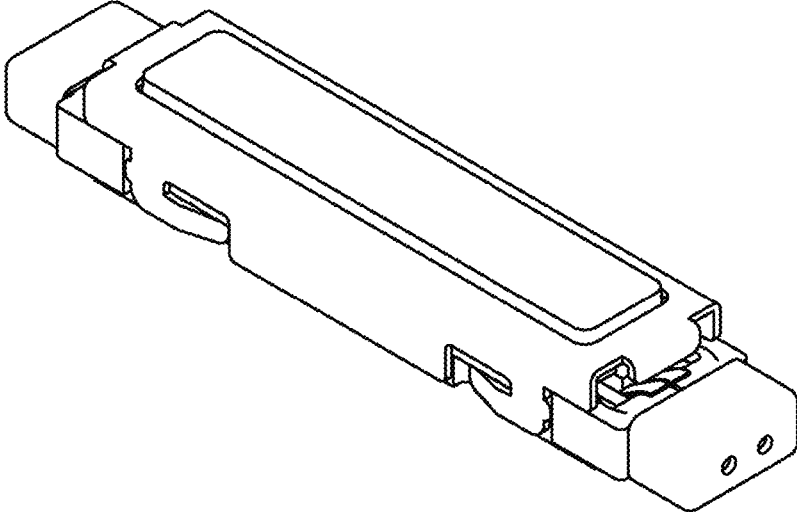


FIG. 2

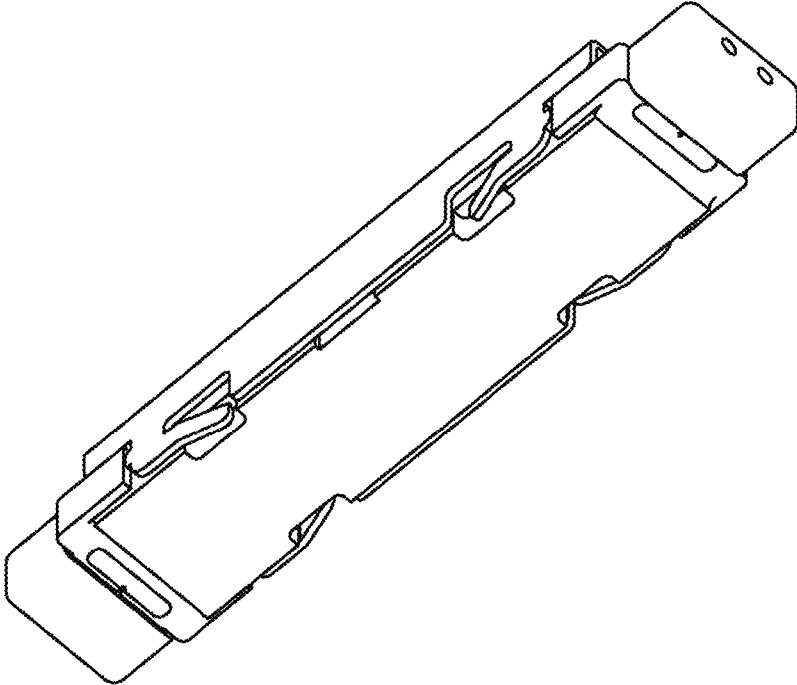


FIG. 3

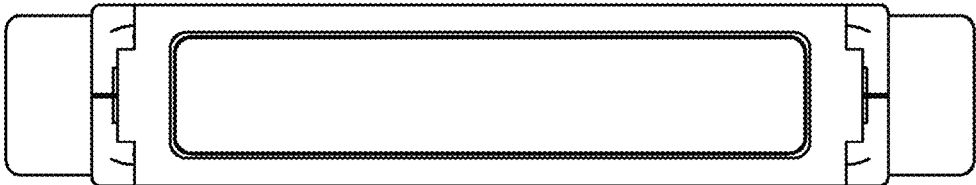


FIG. 4



FIG. 5

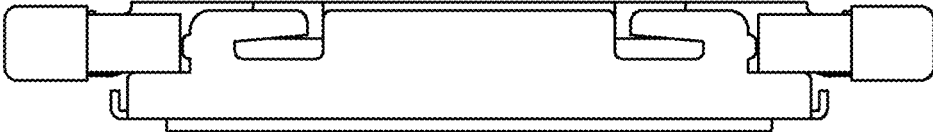


FIG. 6

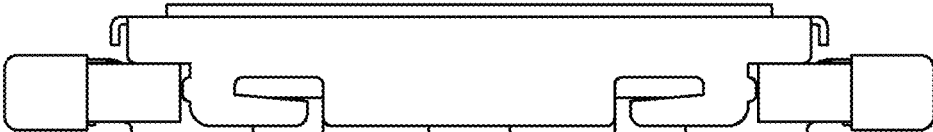


FIG. 7

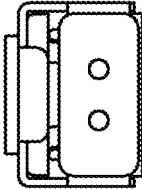


FIG. 8

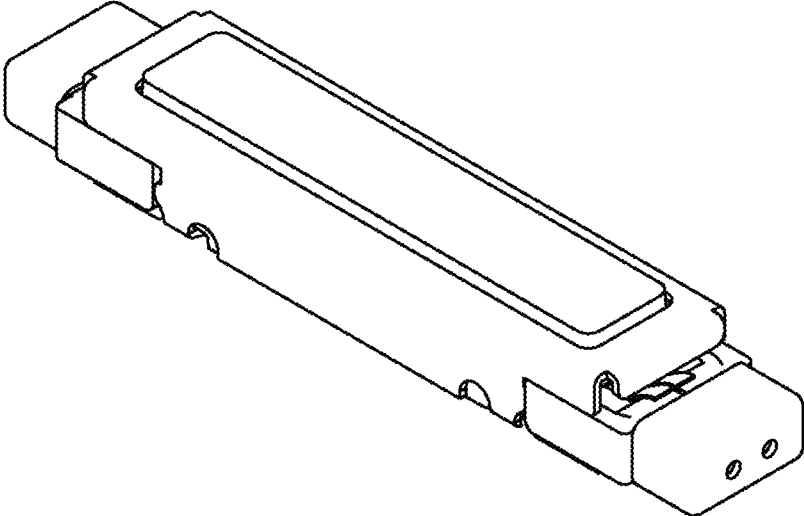


FIG. 9

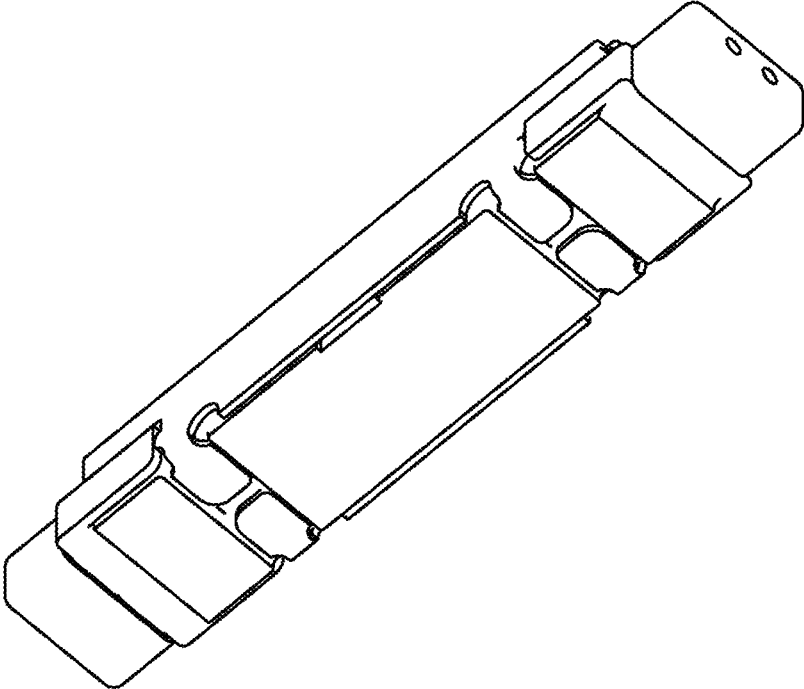


FIG. 10

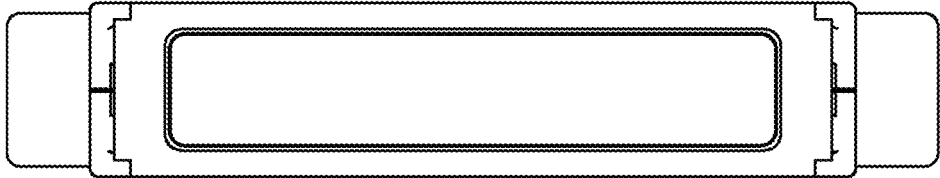


FIG. 11



FIG. 12

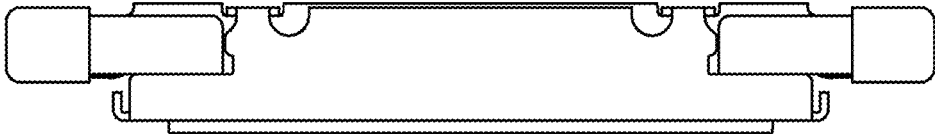


FIG. 13

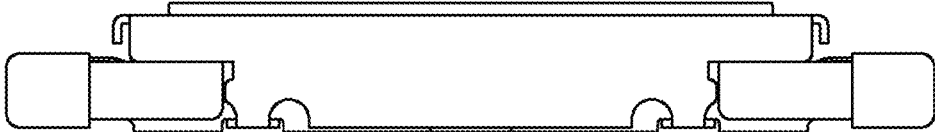


FIG. 14

