US00D754603S

(12) United States Design Patent

Takano et al.

(10) Patent No.: US D754,603 S
(45) Date of Patent: ** Apr. 26, 2016

(54) **CONTACT SIGNAL CONVERTER**

(71) Applicant: **YOKOGAWA ELECTRIC CORPORATION**, Musashino-shi, Tokyo (JP)

(72) Inventors: **Naoto Takano**, Musashino (JP); **Noriaki Senba**, Musashino (JP); **Kouichirou Shimamura**, Musashino (JP); **Hayato Izumi**, Musashino (JP)

(73) Assignee: **Yokogawa Electric Corporation**, Tokyo (JP)

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

(21) Appl. No.: **29/497,511**

(22) Filed: **Jul. 25, 2014**

(30) **Foreign Application Priority Data**

Jan. 29, 2014 (JP) 2014-001709

(51) **LOC (10) Cl.** **13-03**

(52) **U.S. Cl.**
USPC **D13/123**

(58) **Field of Classification Search**
USPC D13/110, 118, 123, 133, 147, 154, D13/158–160, 174, 184, 199; D14/357, D14/432, 435, 439
CPC H01R 27/00; H01R 24/40; H01R 24/58; H01R 13/72; H01R 13/17; H01R 13/64
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D347,630	S	*	6/1994	DiPrizio	D14/435
D398,004	S	*	9/1998	Klinker	D14/436
D408,784	S	*	4/1999	Maeyama	D13/103
D491,941	S	*	6/2004	Chen	D14/357
D555,091	S	*	11/2007	Kawase	D13/133
D592,138	S	*	5/2009	Mahaffey	D13/110
D619,570	S	*	7/2010	Tong	D13/133
D621,782	S	*	8/2010	Chang	D13/138.1
D729,731	S	*	5/2015	Dasbach	D13/110
D731,419	S	*	6/2015	Kao	D13/108
D735,134	S	*	7/2015	Dasbach	D13/110
2002/0168891	A1	*	11/2002	Kitou	H01R 13/72 439/501
2013/0330964	A1	*	12/2013	Williamson	H01R 13/72 439/502

* cited by examiner

Primary Examiner — Thomas Johannes
Assistant Examiner — Shawn T Gingrich
(74) *Attorney, Agent, or Firm* — Sughrue Mion, PLLC

(57) **CLAIM**

The ornamental design for a contact signal converter, as shown and described.

DESCRIPTION

FIG. **1** is a front perspective view of a contact signal converter showing our new design;
FIG. **2** is a front view thereof;
FIG. **3** is a rear view thereof;
FIG. **4** is a left side view thereof;
FIG. **5** is a right side view thereof;
FIG. **6** is a top view thereof;
FIG. **7** is a bottom view thereof; and,
FIG. **8** is a perspective view thereof in use.
The broken lines shown are included for the purpose of illustrating the unclaimed portions of the contact signal converter and form no part of the claimed design.

1 Claim, 6 Drawing Sheets

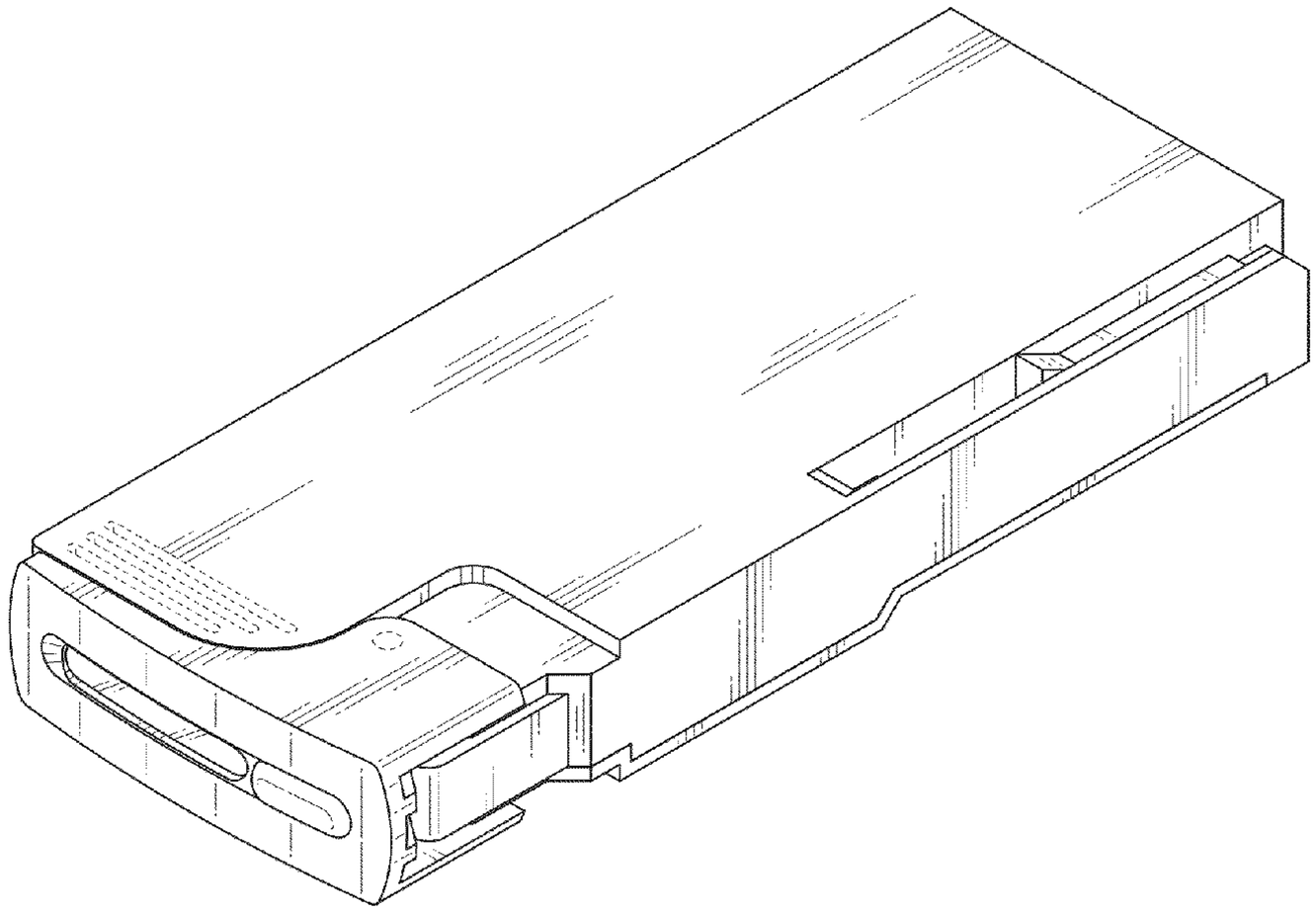

Fig. 1

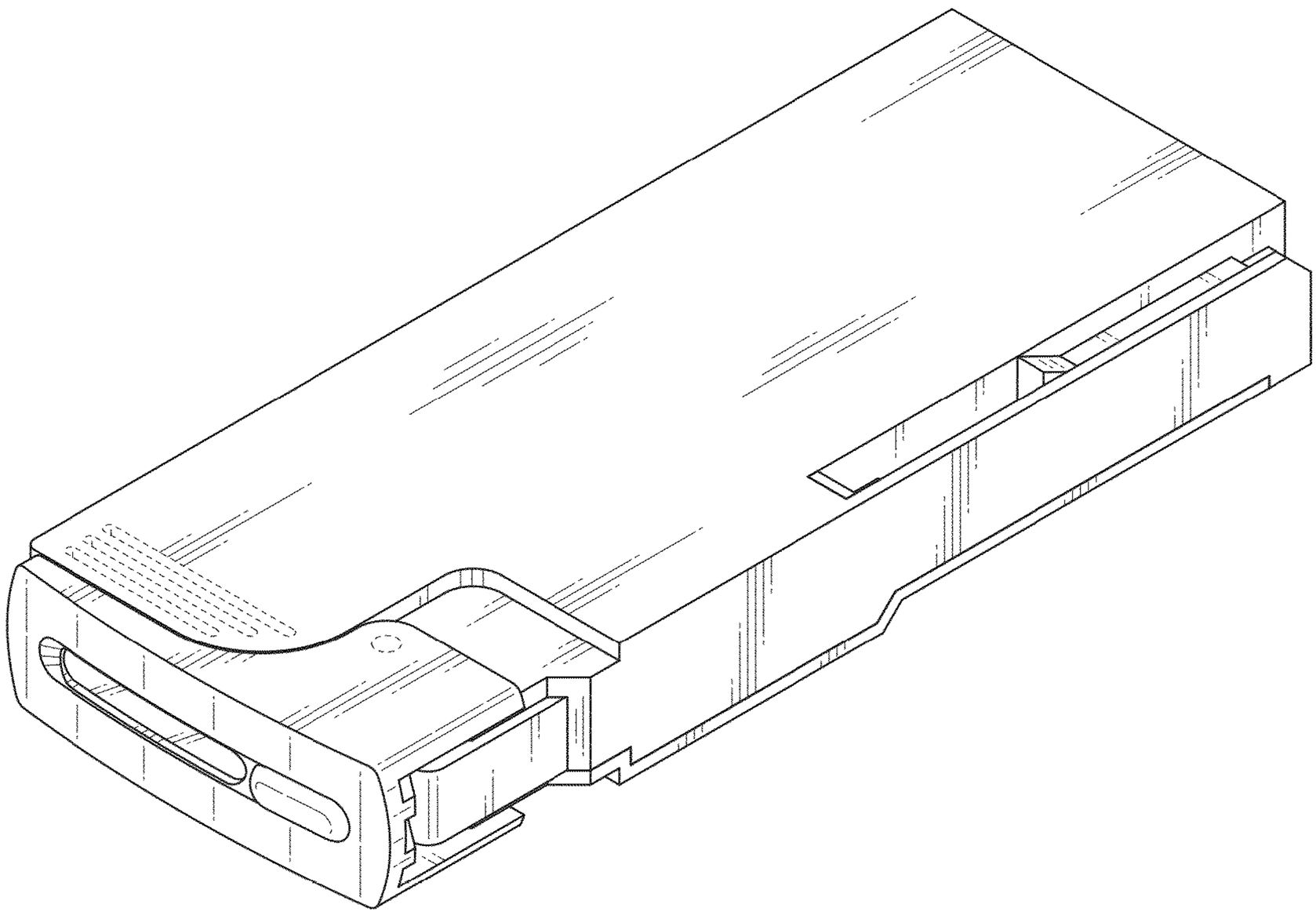

Fig. 2

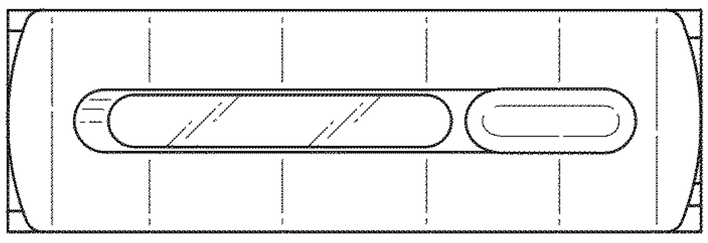

Fig. 3

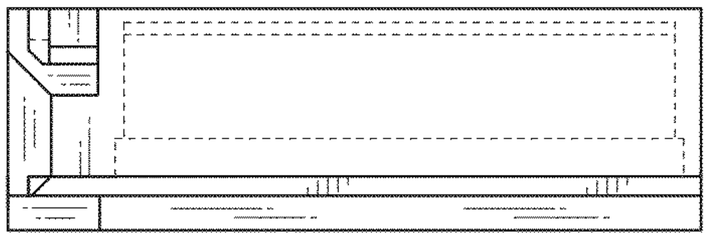

Fig. 4

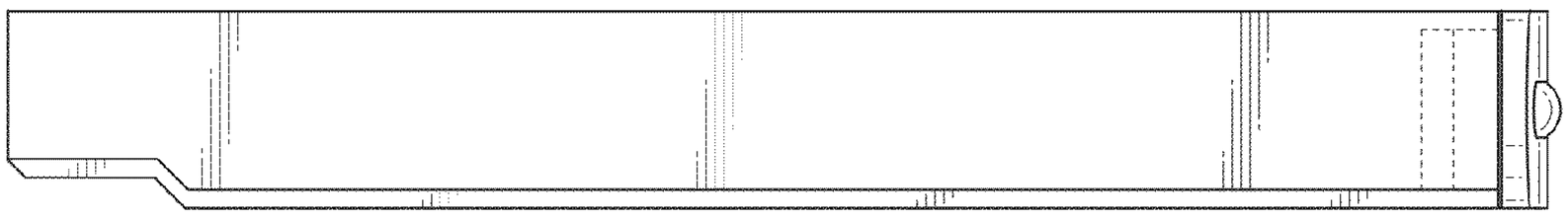

Fig. 5

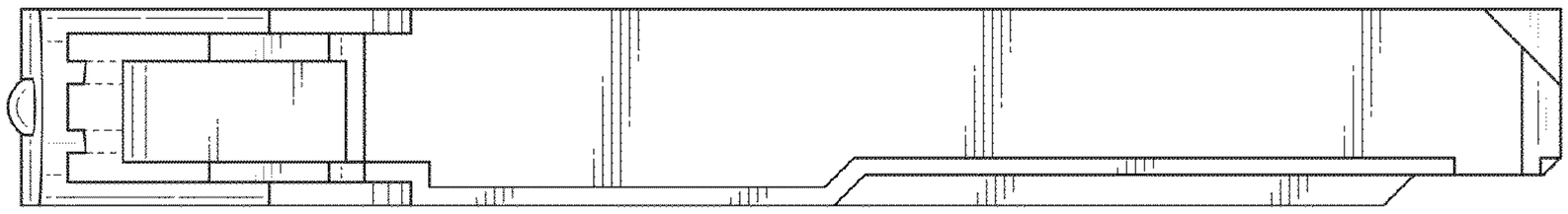

Fig. 6

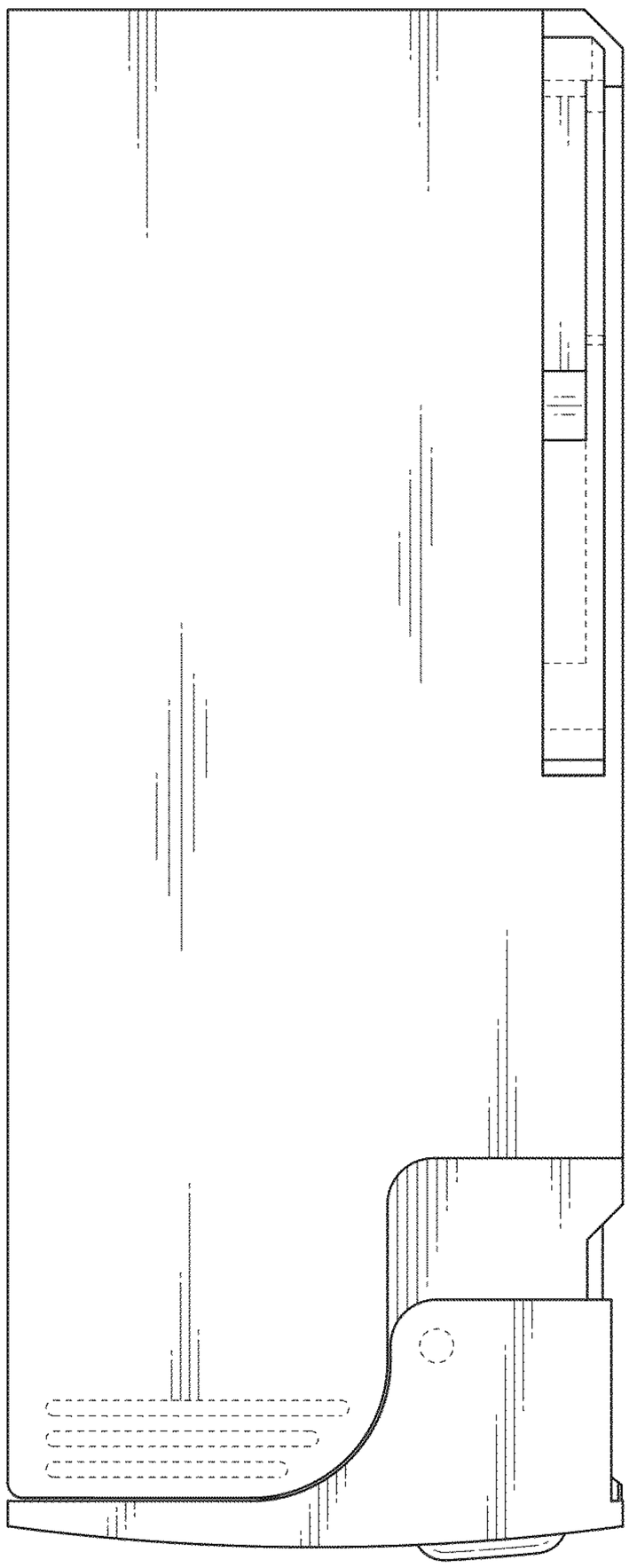

Fig. 7

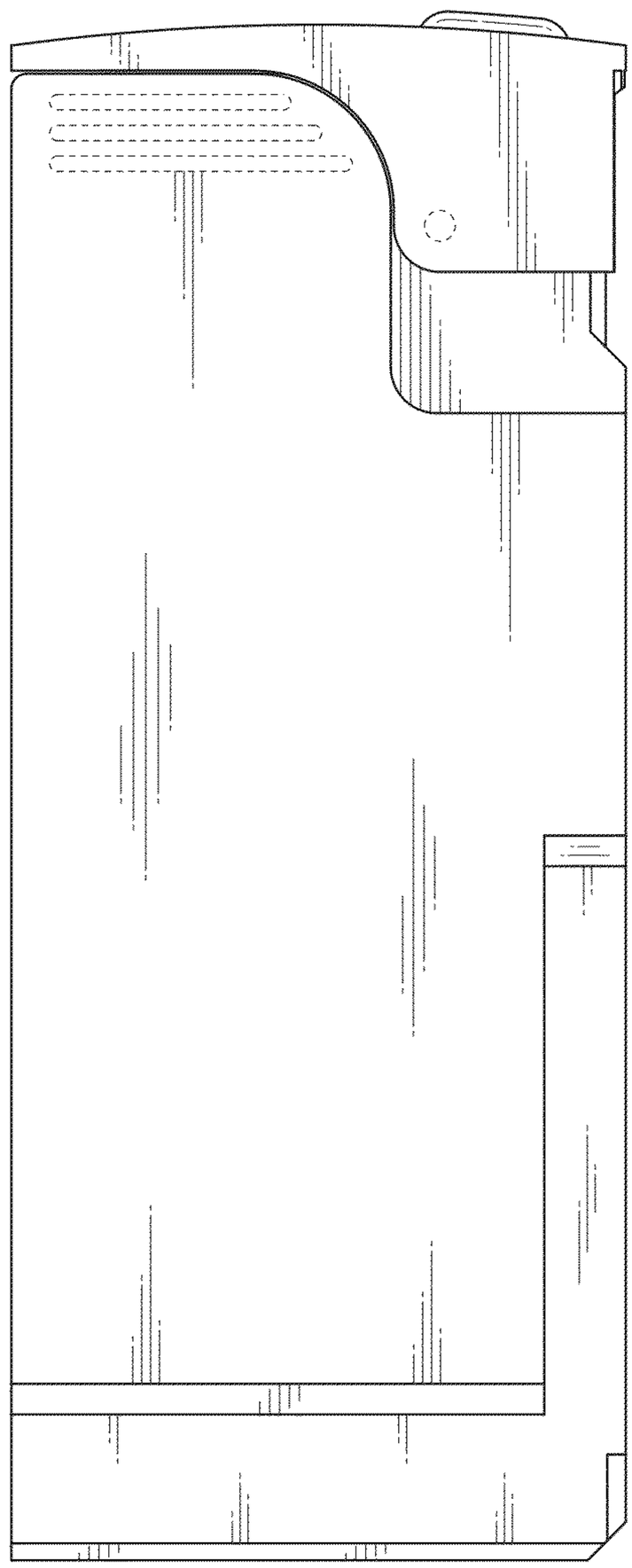

Fig. 8