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(12) United States Design Patent

Browning

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(54) **VEHICLE ON-BOARD DIAGNOSTICS (OBD) DONGLE**

(71) Applicant: **TomTom International B.V.**, Amsterdam (EP)

(72) Inventor: **Daniel Browning**, Amsterdam (NL)

(73) Assignee: **TomTom International B.V.**, Amsterdam (NL)

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

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(30) **Foreign Application Priority Data**

May 24, 2013 (EM) 002243691-0001

(51) **LOC (10) Cl.** **10-04**

(52) **U.S. Cl.**
USPC **D10/80**

(58) **Field of Classification Search**
CPC .. G07C 5/008; G07C 5/0808; G07C 2205/02; G01D 5/00; G06F 1/166; G06F 1/1656; G06F 1/1626; G06F 1/1609; G06F 1/637; G06F 3/03547; G01M 17/00; G01R 31/007; G01R 31/3648; G01R 31/3693; G01R 31/3627; F02D 15/00
USPC D10/78, 80; 340/438, 439, 440, 441, 340/449, 450, 451, 453, 459, 462, 995.26; 701/29.6, 34.4, 32.7, 32.8, 833.2, 31.2, 701/29.1, 99, 101, 102, 115; 702/183; 320/104; 324/378, 426, 73.1; D14/433, D14/435.1, 438
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D571,241 S * 6/2008 Andreasen et al. D10/78

* cited by examiner

Primary Examiner — Antoine D Davis

(57) **CLAIM**

The ornamental design for a vehicle on-board diagnostics (OBD) dongle, as shown and described.

DESCRIPTION

FIG. **1** is a perspective view showing the front and upper surfaces of the dongle, wherein the handle is in its closed position.

FIG. **2** is a perspective view showing the back and lower surfaces of the dongle.

FIG. **3** is a top view of the dongle.

FIG. **4** is right side view of the dongle.

FIG. **5** is a back view of the dongle.

FIG. **6** is a bottom view of the dongle.

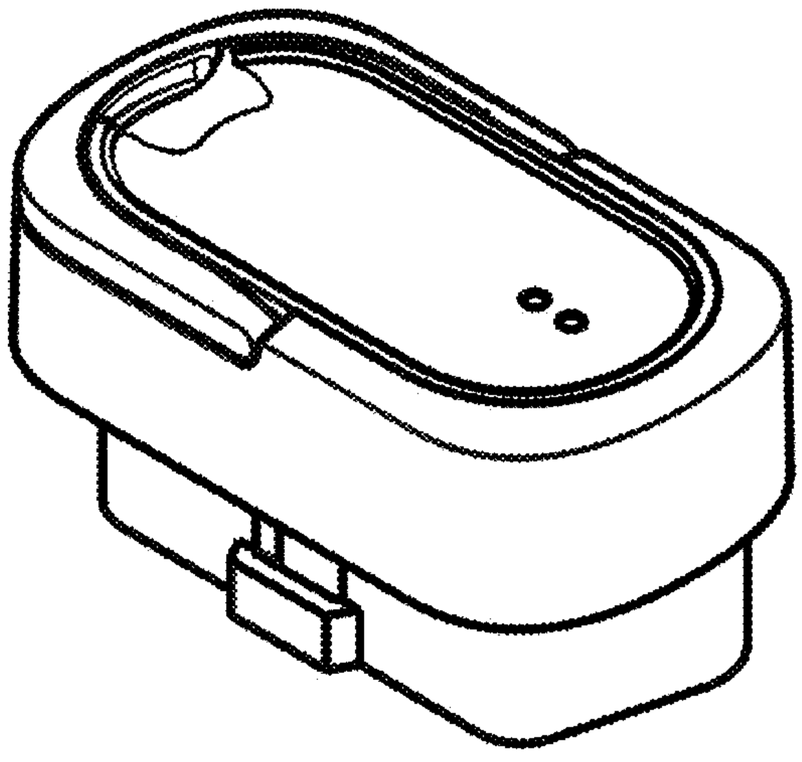
FIG. **7** is a perspective view showing the back and upper surfaces of the dongle, wherein the handle is in its open position.

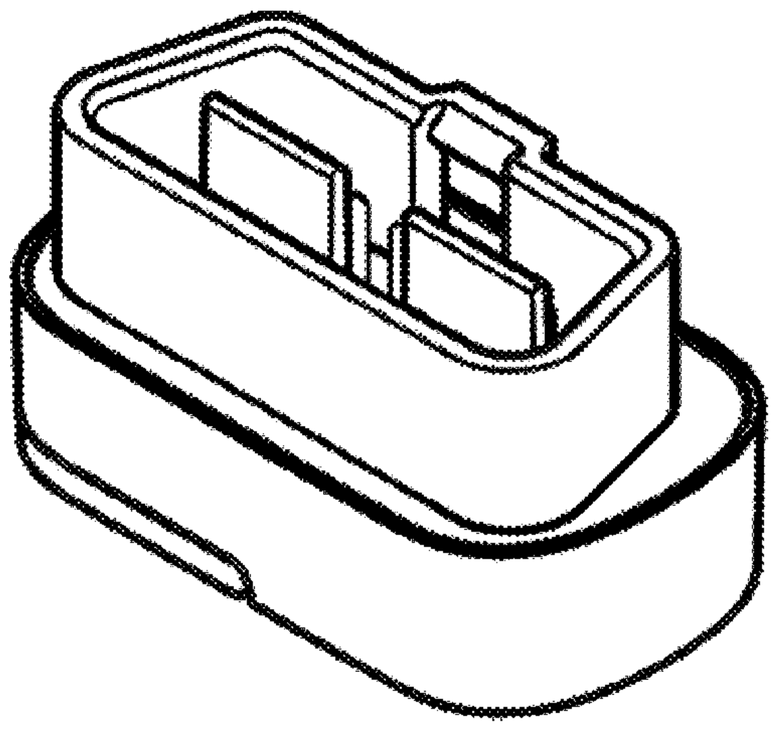
FIG. **8** is a left side view of the dongle; and,

FIG. **9** is a front view of the dongle.

The dongle comprises a handle to facilitate its removal by a user when inserted into the OBD port of a vehicle. The handle is shown in a closed position in FIGS. **1** to **6**, and in an open position in FIGS. **7** to **9**.

1 Claim, 4 Drawing Sheets





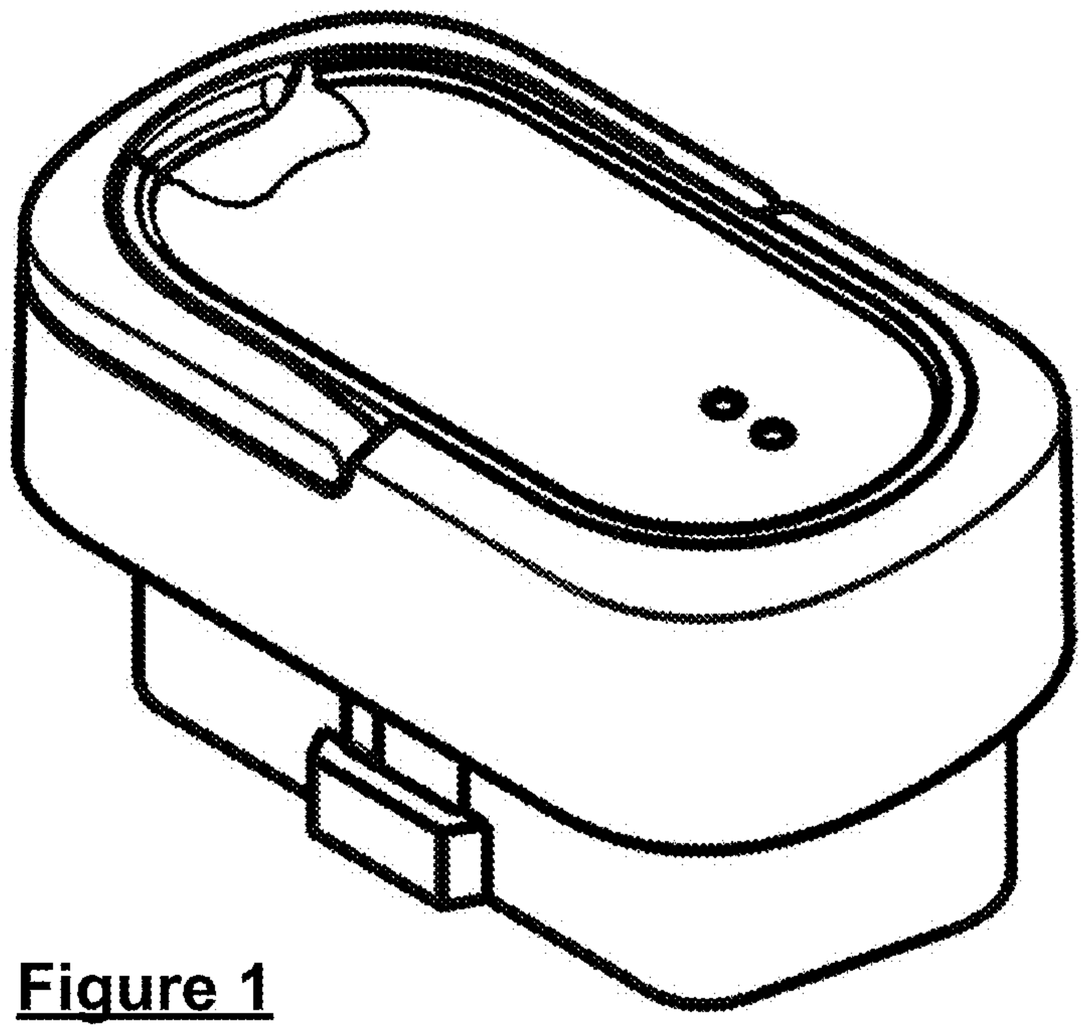


Figure 1

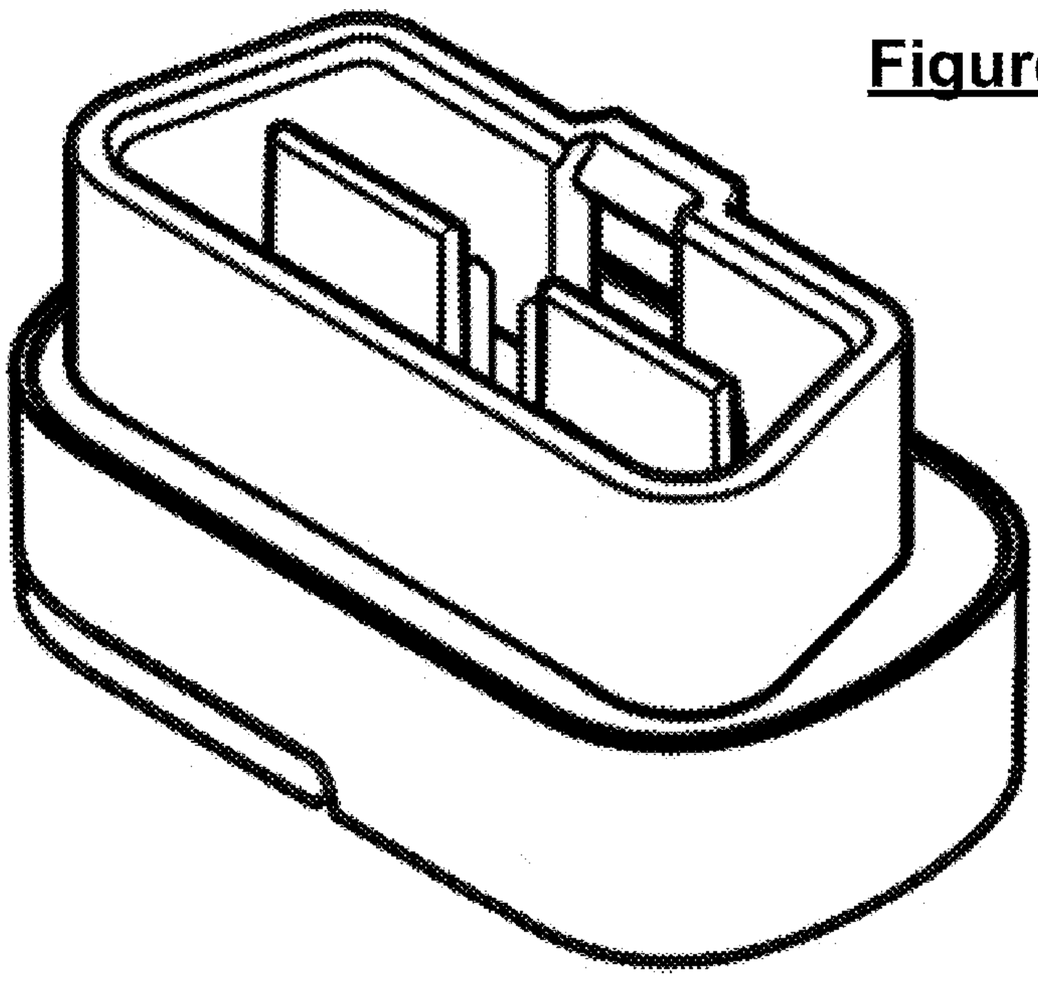
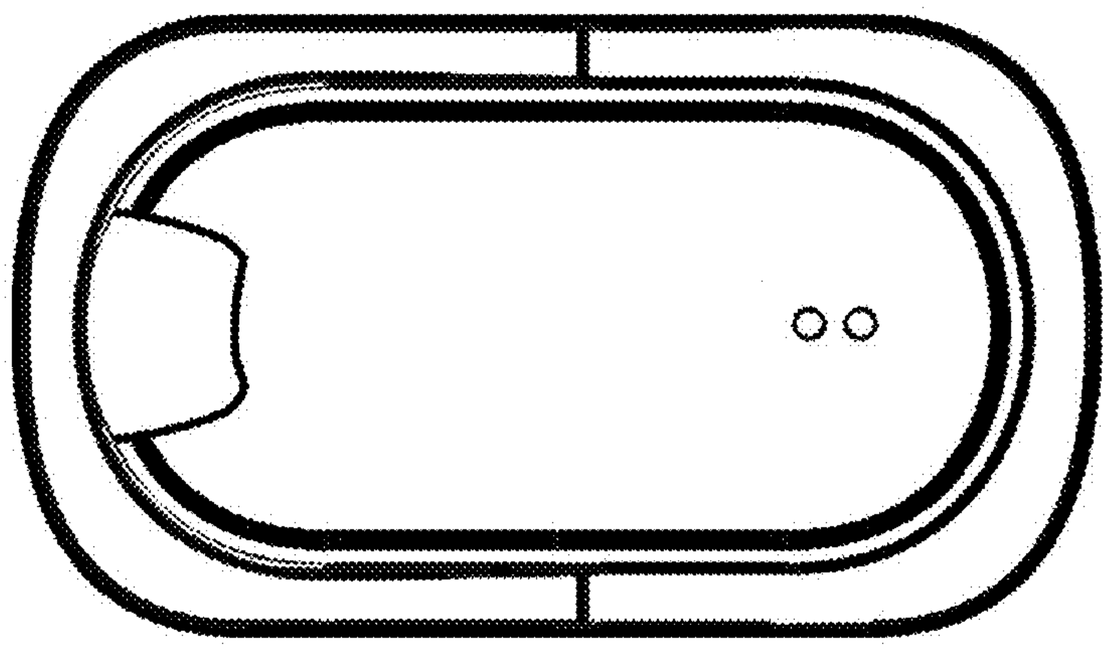


Figure 2



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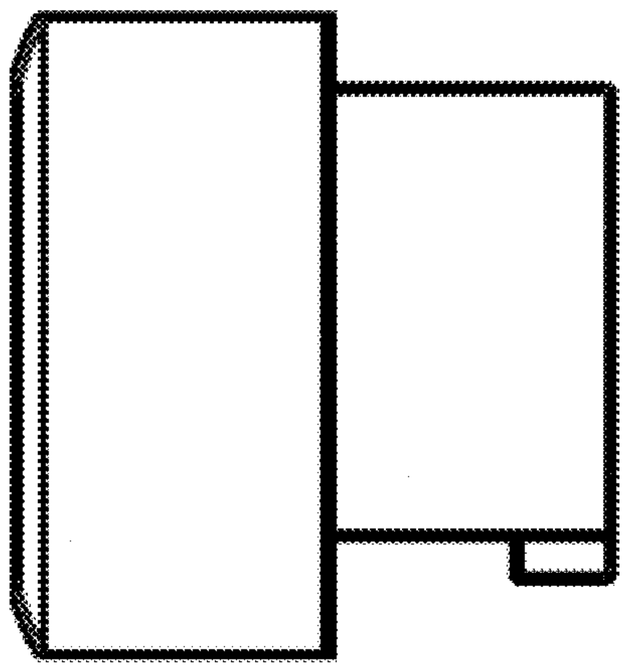
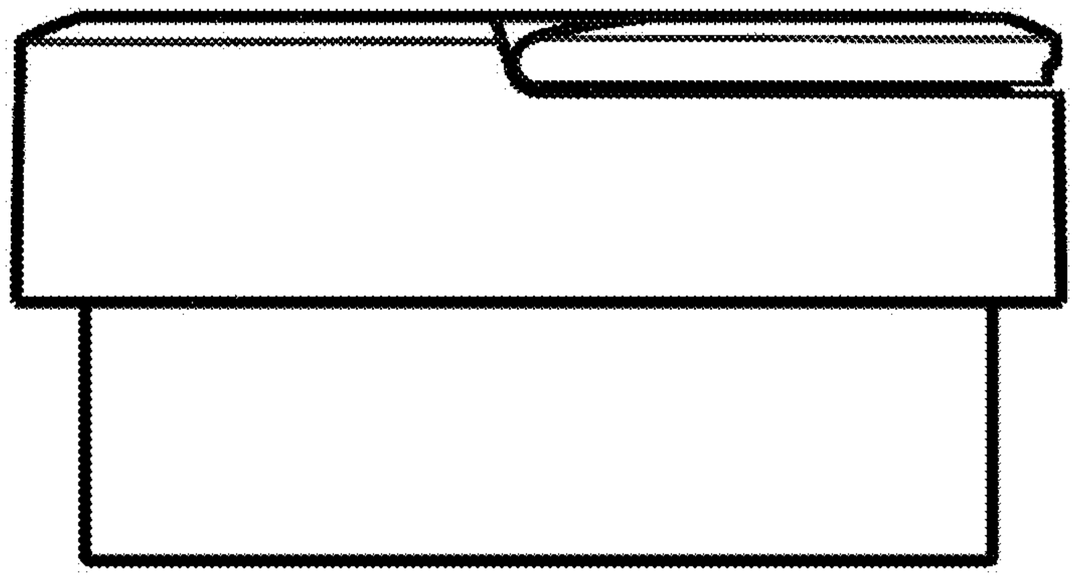


Figure 4



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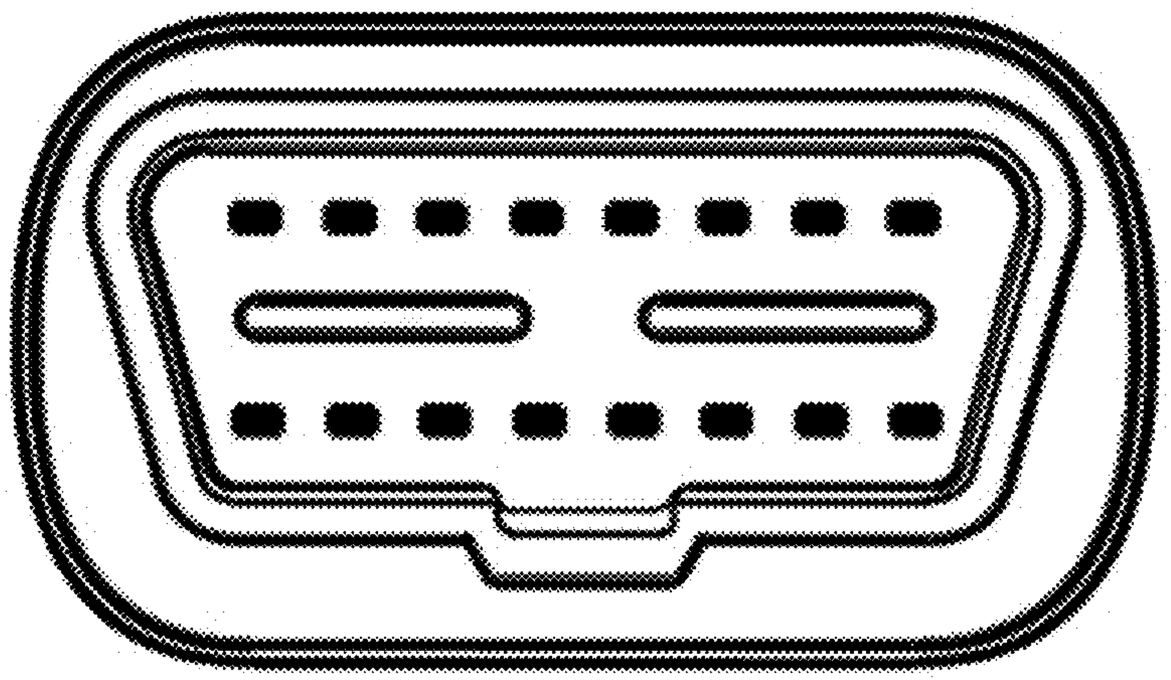
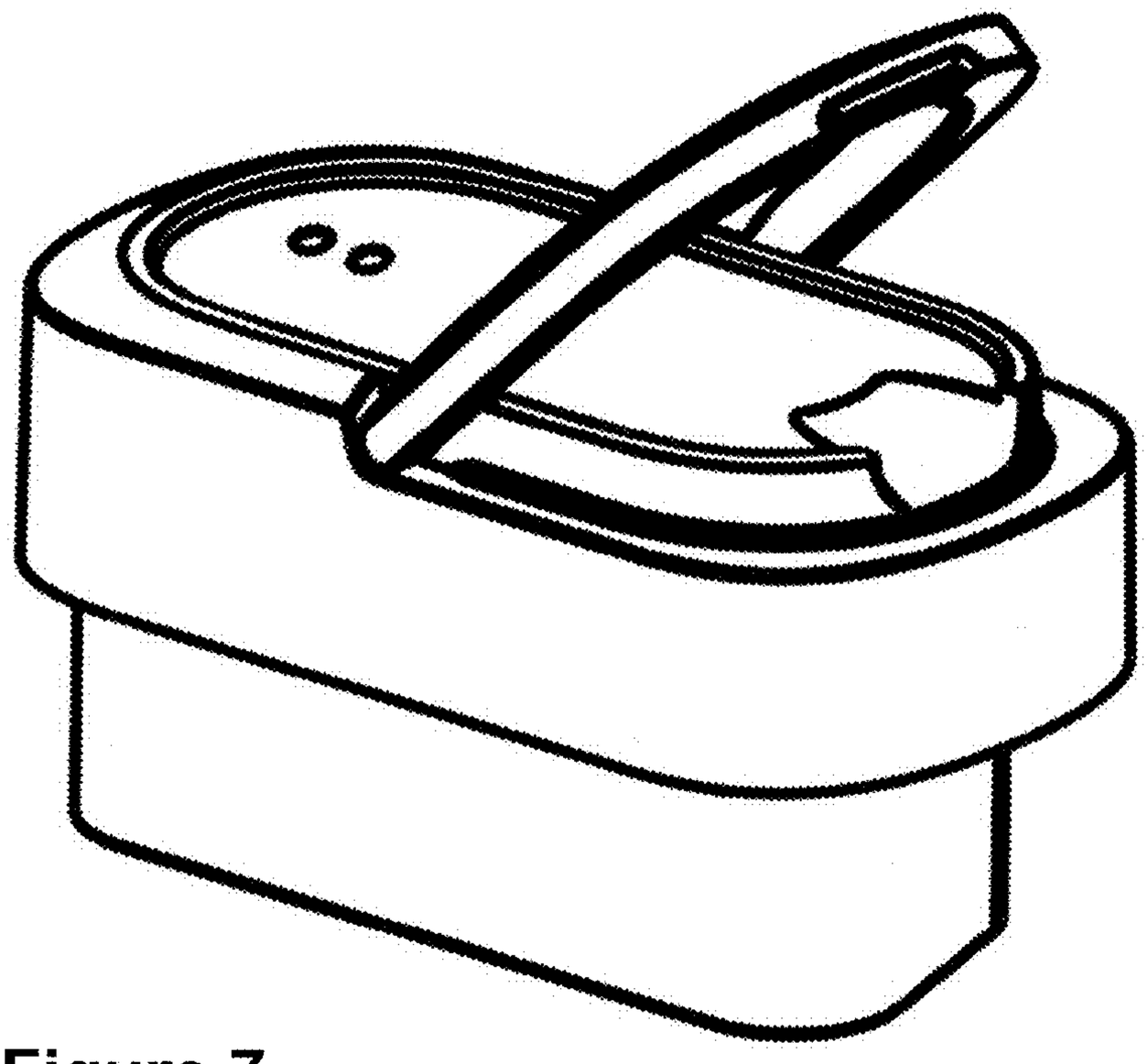


Figure 6



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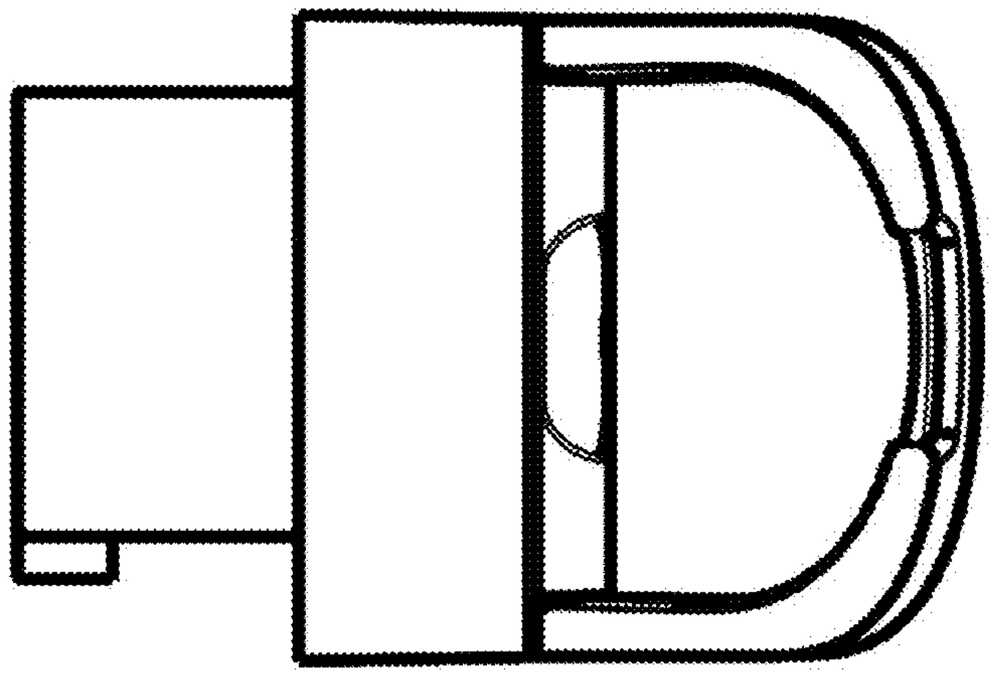

Figure 8

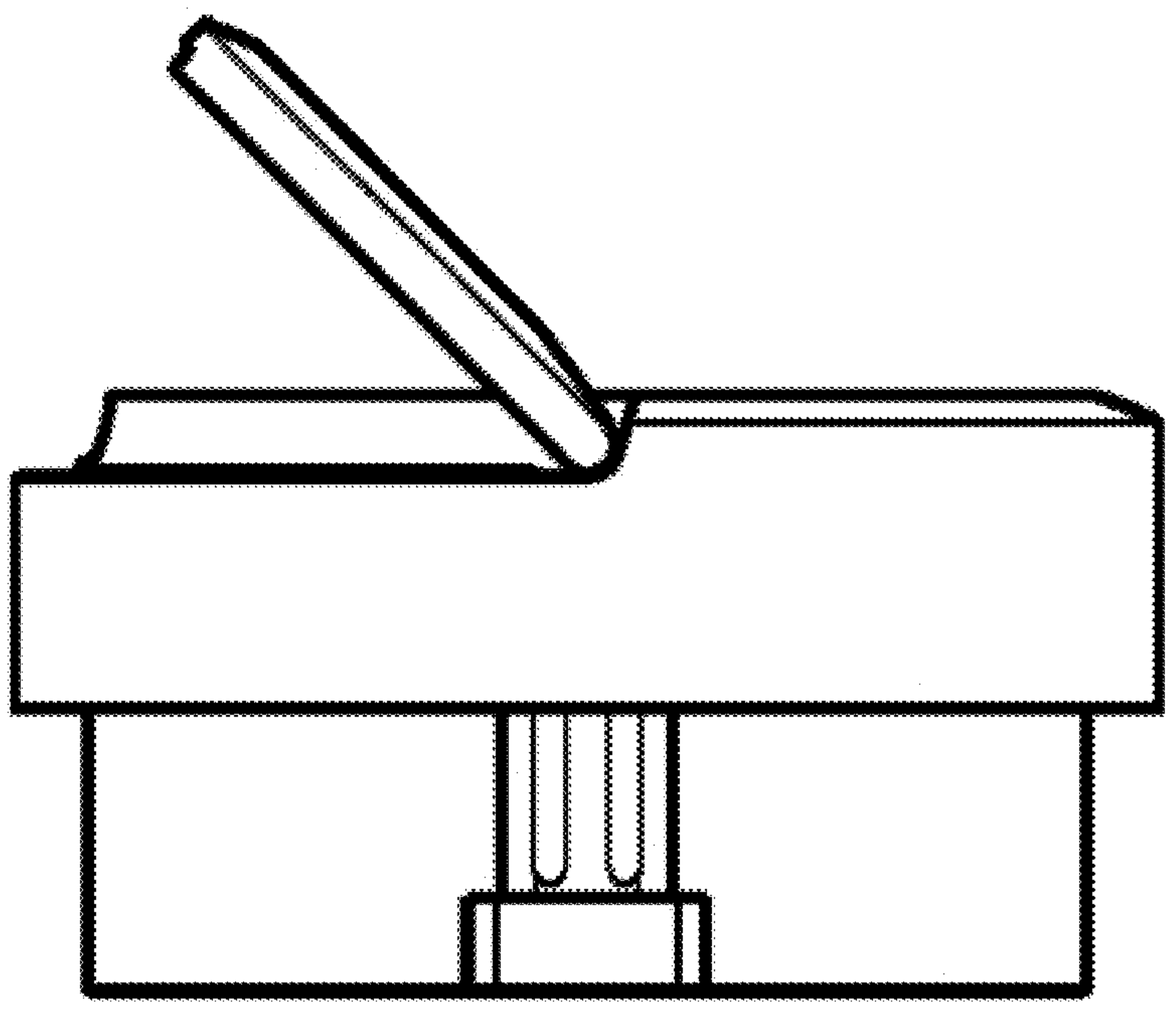

Figure 9