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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**

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

(58) **Field of Classification Search**

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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 Andreassen 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.

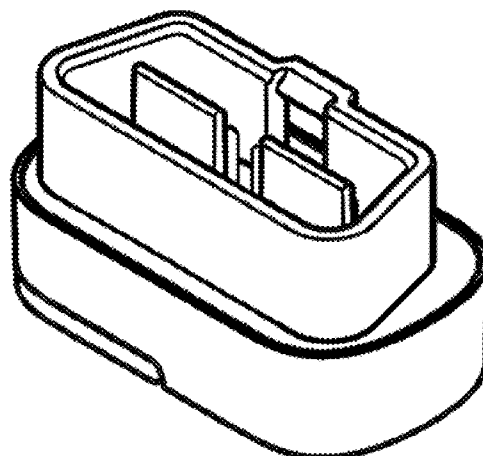
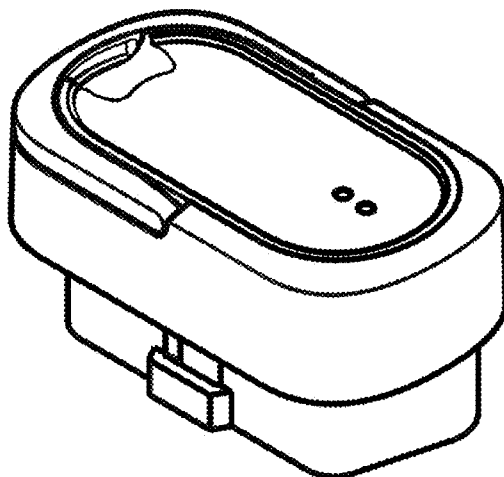
FIG. 7 is a perspective view showing the back and upper surfaces of the dongle, wherein the handle is in its open position.

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



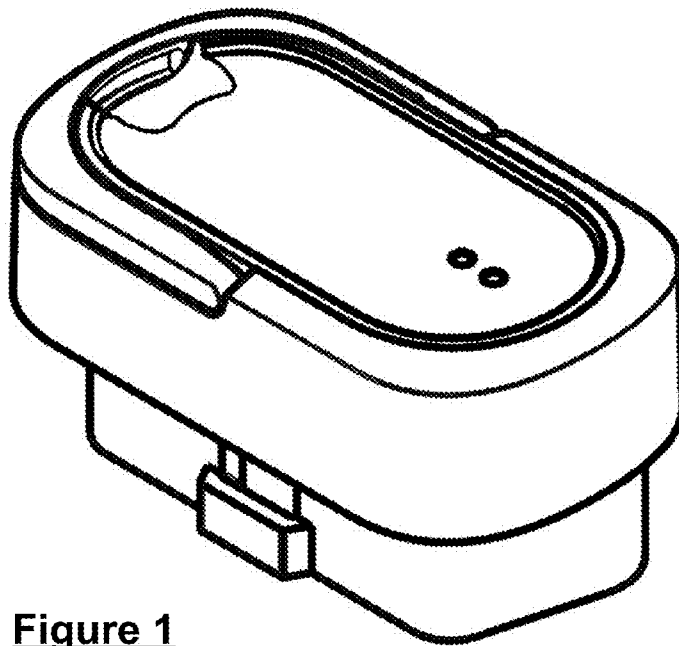


Figure 1

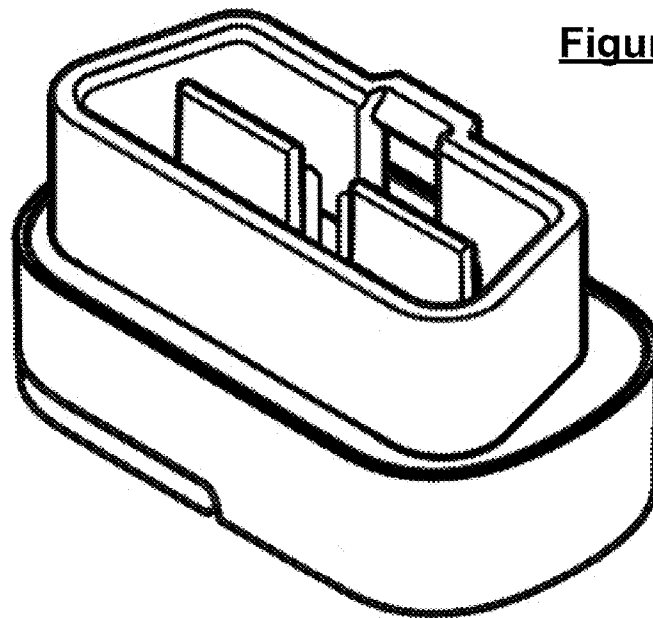


Figure 2

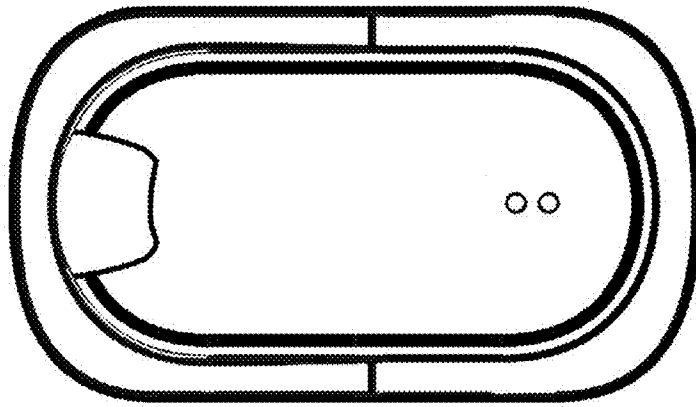


Figure 3

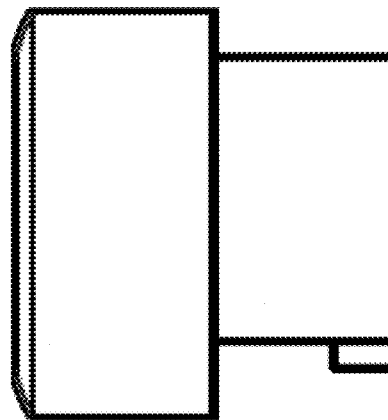


Figure 4

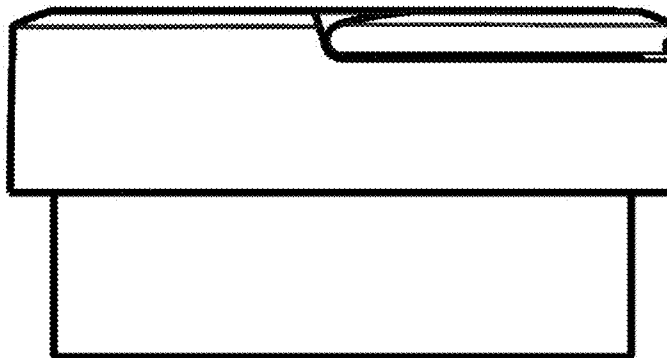


Figure 5

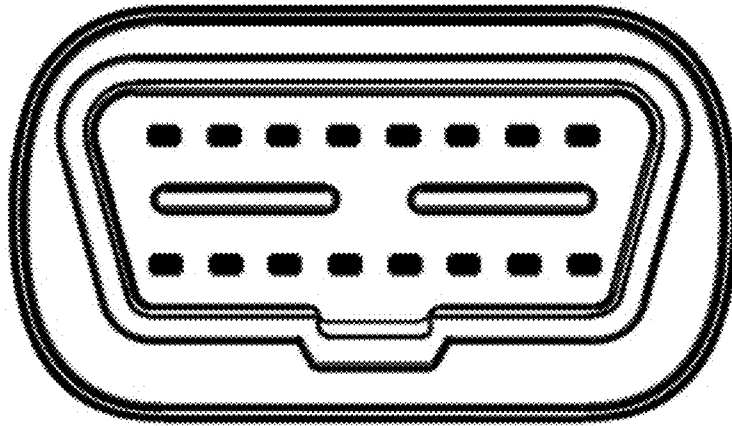


Figure 6

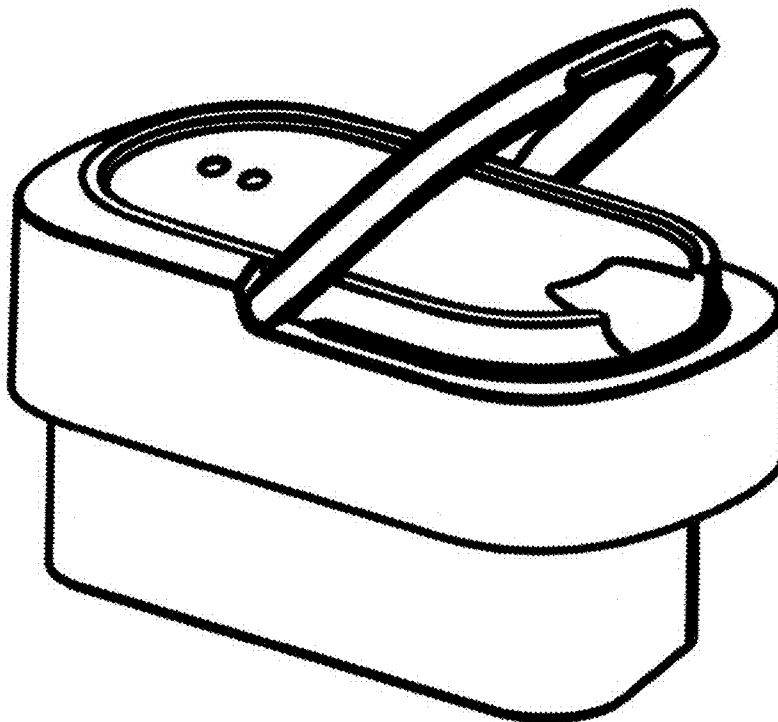


Figure 7

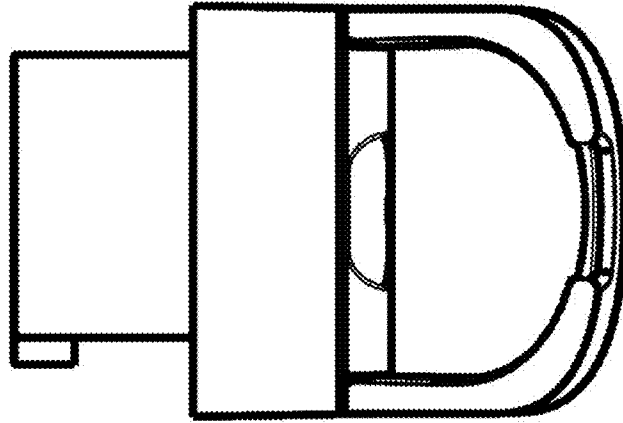


Figure 8

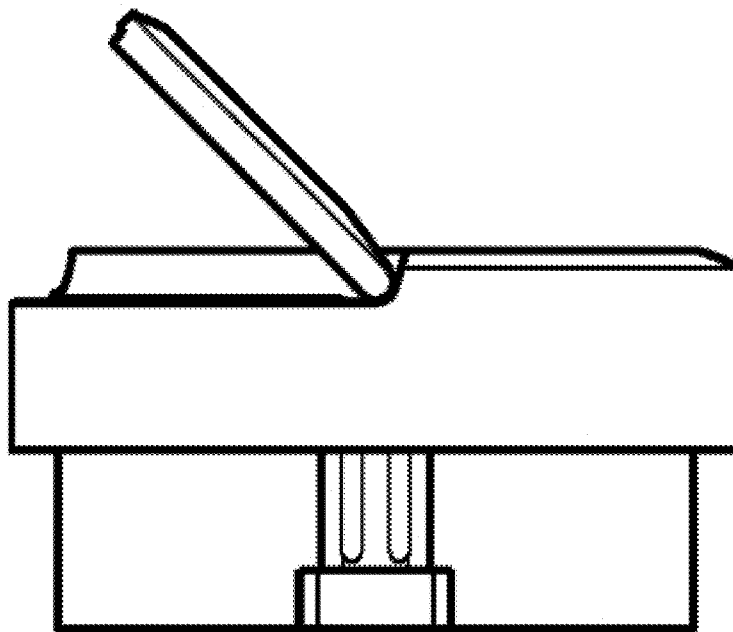


Figure 9