



US00D737162S

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

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(45) **Date of Patent:** **** Aug. 25, 2015**

(54) **SELF-INFLATING TIRE AIR REGULATOR**

27/00-23/02

See application file for complete search history.

(71) Applicants: **Eaton Corporation**, Cleveland, OH (US); **The Goodyear Tire & Rubber Company**, Akron, OH (US)

(56) **References Cited**

U.S. PATENT DOCUMENTS

8,316,653 B2 * 11/2012 Appler et al. 62/77

* cited by examiner

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(57) **CLAIM**

The ornamental design for a self-inflating tire air regulator, as shown and described.

(73) Assignees: **Eaton Corporation**, Cleveland, OH (US); **The Goodyear Tire & Rubber Company**, Akron, OH (US)

DESCRIPTION

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

(21) Appl. No.: **29/480,495**

FIG. 1 is a front perspective view of an example of a housing portion of a self-inflating tire air regulator according to the present disclosure;

FIG. 2 is a top view of the example of FIG. 1;

FIG. 3 is a bottom view of the example of FIG. 1;

FIG. 4 is a front view of the example of FIG. 1;

FIG. 5 is a rear view of the example of FIG. 1;

FIG. 6 is a right side view of the example of FIG. 1; and,

FIG. 7 is a left side view of the example of FIG. 1.

The dashed lines form no part of the claimed design.

(22) Filed: **Jan. 27, 2014**

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

(52) **U.S. Cl.**

USPC **D10/83**

(58) **Field of Classification Search**

USPC D10/83-86; D23/235

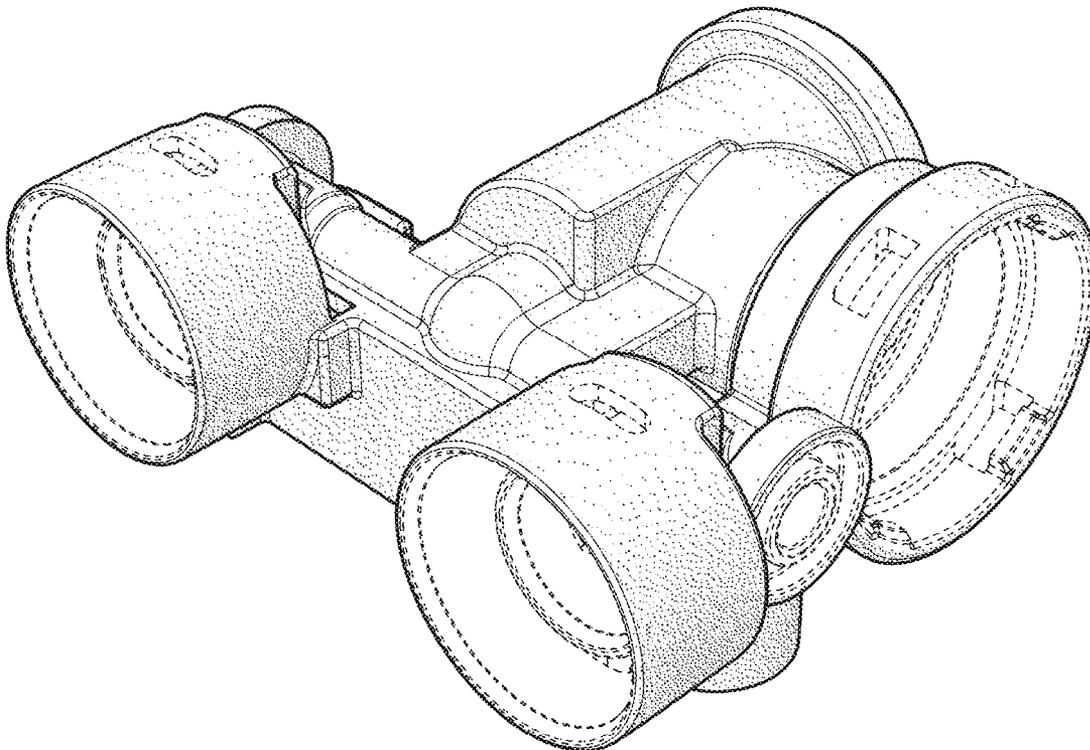
CPC B60C 23/0408; B60C 23/0494; G01L 7/043;

G01L 7/00-7/24; G01L 13/00-13/06; G01L

15/00; G01L 17/00-17/005; G01L

19/00-19/16; G01L 23/00-23/32; G01L

1 Claim, 4 Drawing Sheets



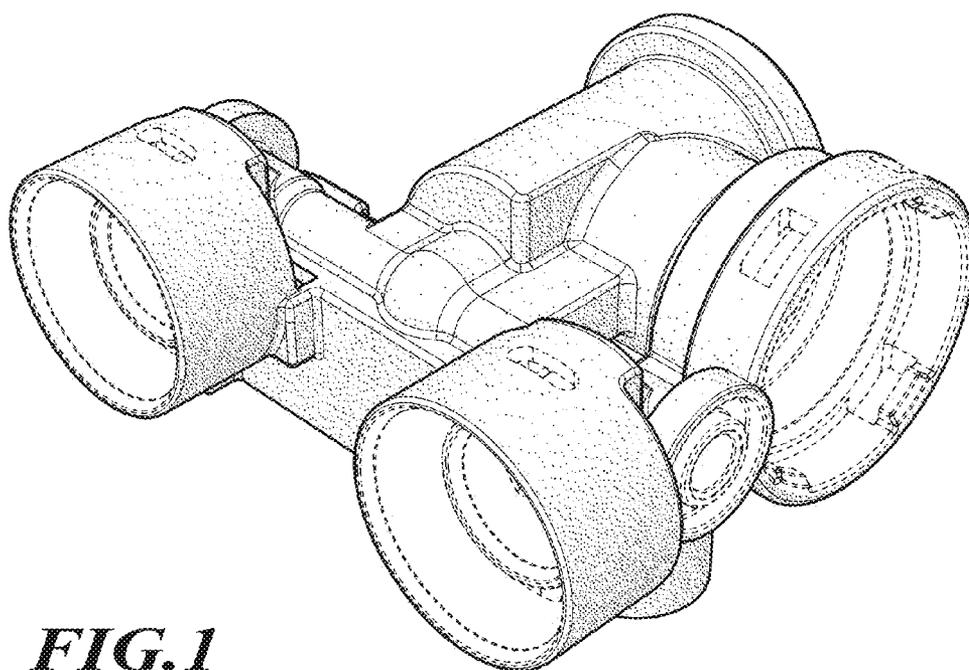


FIG. 1

FIG. 2

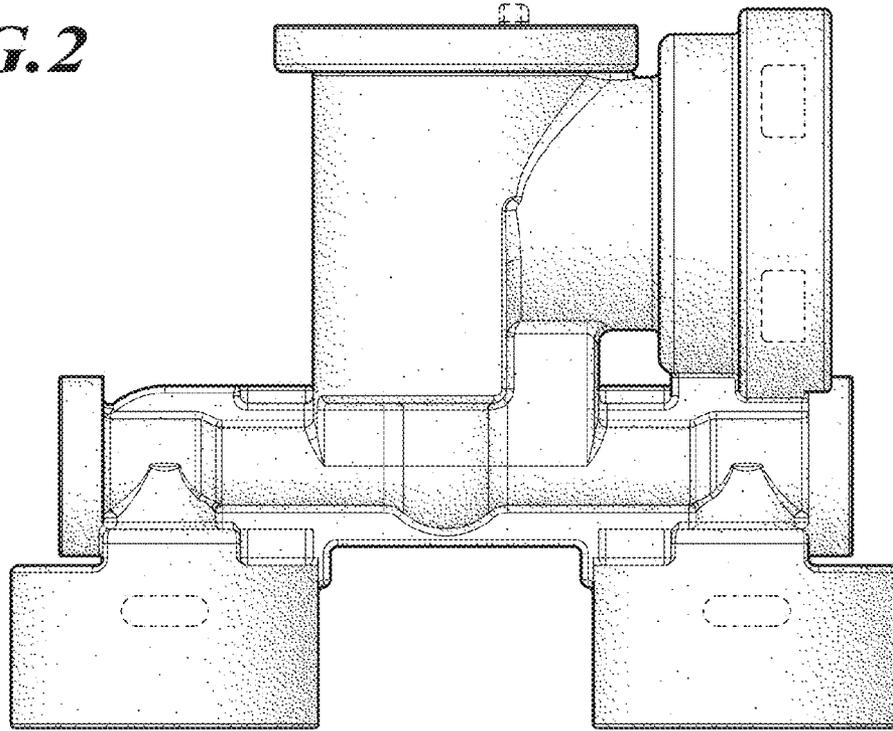
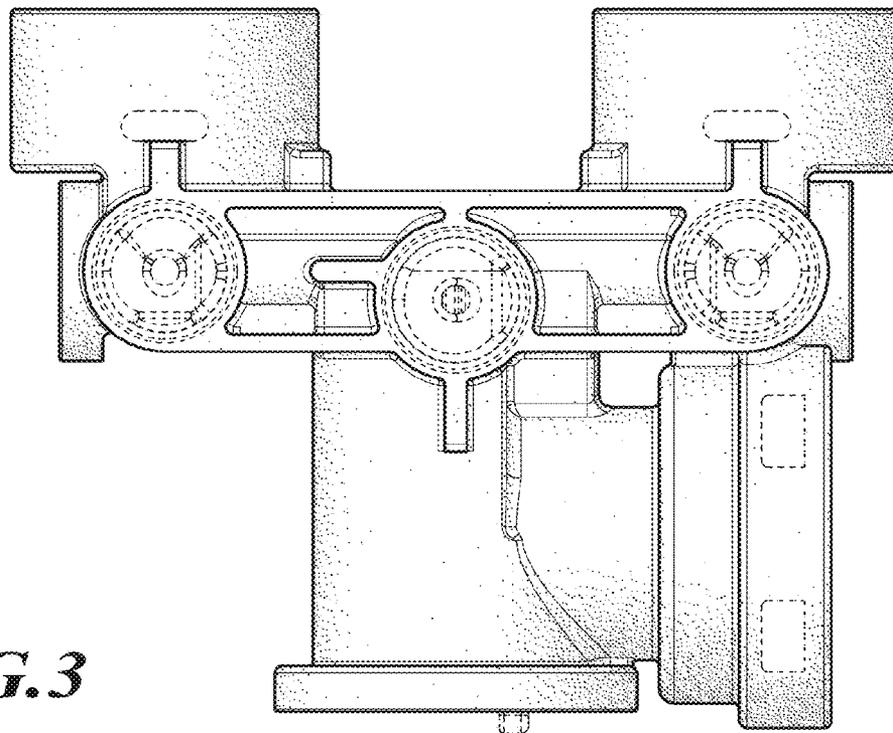


FIG. 3



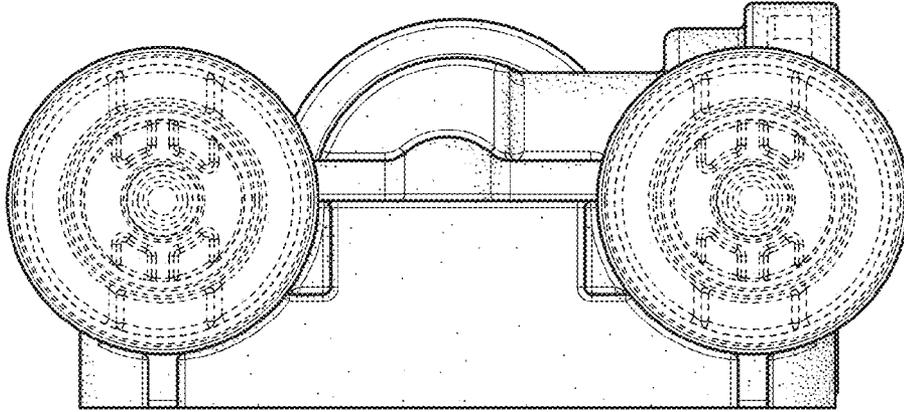


FIG. 4

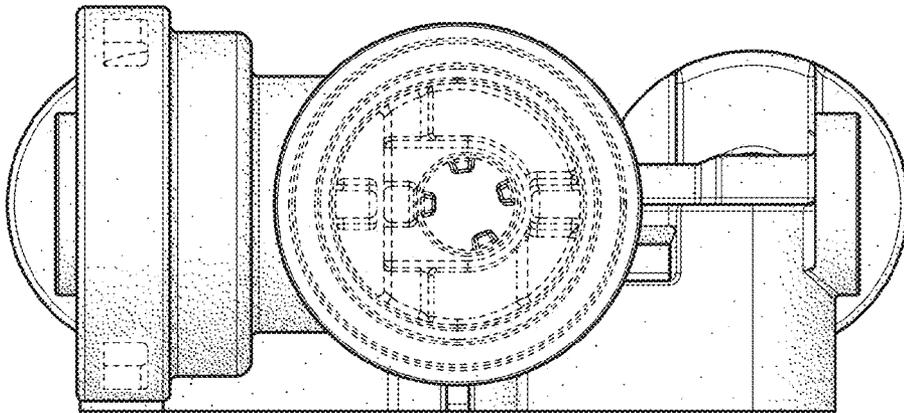


FIG. 5

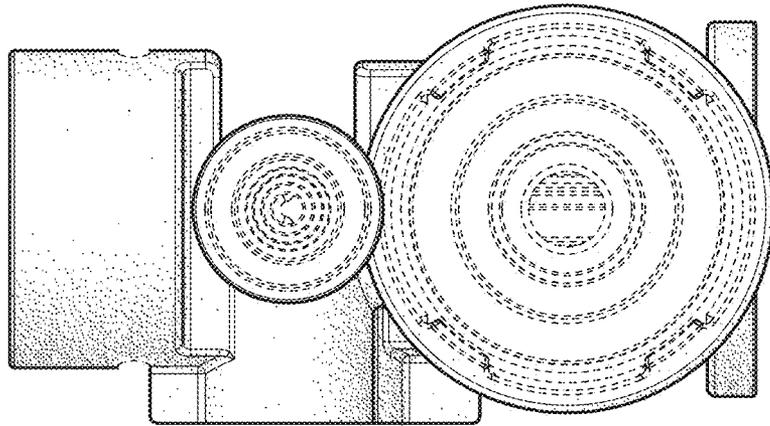


FIG. 6

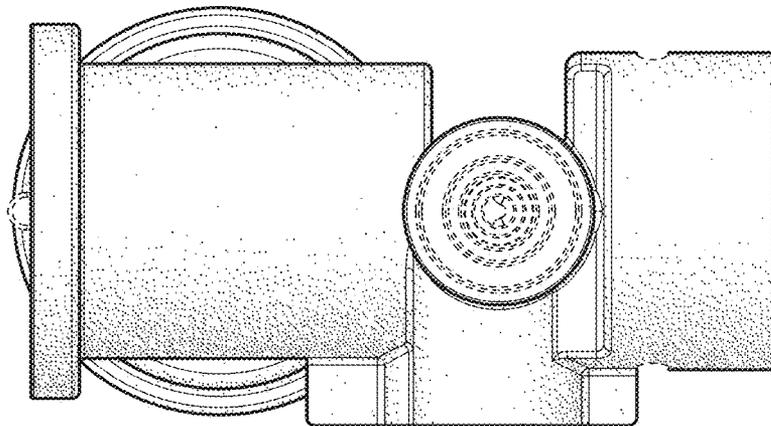


FIG. 7