

Title (en)

An automatic device for topping up engine oil.

Title (de)

Einrichtung zur automatischen Nachfüllung mit Schmieröl.

Title (fr)

Dispositif de remplissage automatique de l'huile.

Publication

**EP 0538660 A1 19930428 (EN)**

Application

**EP 92116855 A 19921001**

Priority

IT TO910803 A 19911024

Abstract (en)

An automatic device for topping up the liquid in a container (C), particularly for topping up lubricating oil in the sump of an internal combustion engine, includes a sensor cylinder (10), an actuator cylinder (24), and programmed operating means (42, 48, 44) for moving the pistons (14, 22) of the sensor and actuator cylinders (10, 24). The presence or absence of liquid in the chamber (12) of the sensor cylinder (10) prevents or enables the sliding of the pistons (14, 22) so that the piston (22) of the actuator cylinder (24) supplies to the container (C) a quantity of liquid which is correlated with the level of the liquid in the container (C). <IMAGE>

IPC 1-7

**F01M 11/04**

IPC 8 full level

**F01M 11/04** (2006.01)

CPC (source: EP)

**F01M 11/04** (2013.01)

Citation (search report)

- [A] DE 2011625 A1 19701001
- [A] DE 1037784 C
- [A] GB 2084667 A 19820415 - HURNER ERWIN EDWARD
- [A] EP 0416688 A1 19910313 - GROENEVELD TRANSPORT EFFIC [NL]

Cited by

CN107588185A; CN107606123A; DE19529733C1; US5836421A; EP0779413A1; EP0779414A1; GB2295015A; GB2295015B

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