

Title (en)

Preventing water ingress in an internal combustion engine

Title (de)

Verhinderung des Wassereintritts in einen Verbrennungsmotor

Title (fr)

Prévention de l'entrée d'eau dans un moteur à combustion interne

Publication

**EP 2078845 A1 20090715 (EN)**

Application

**EP 08100199 A 20080108**

Priority

EP 08100199 A 20080108

Abstract (en)

Apparatus for use with a fuel tank (1) for preventing water from a fuel tank from entering an internal combustion engine through a fuel line (17) connecting the fuel tank (1) and the engine, the apparatus comprising: a fuel filter (3) arranged to be connected within the fuel line (17); means (15) for conveying fuel and any water entrained therein from the fuel tank to the filter; and means (19) for conveying any water which has accumulated in the fuel filter (3) back to the fuel tank (1) so as water collects at the bottom of the filter (3) it is able to be withdrawn from the filter (3) and to pass along the passage (19) back into the fuel tank (1) where there is a much greater capacity to store excess water.

IPC 8 full level

**F02M 37/22** (2006.01); **B01D 36/00** (2006.01); **B60K 15/03** (2006.01); **F02M 37/00** (2006.01)

CPC (source: EP US)

**F02M 37/0052** (2013.01 - EP); **F02M 37/0082** (2013.01 - EP US); **F02M 37/28** (2018.12 - EP US); **F02M 37/32** (2018.12 - EP US); **F02M 37/54** (2018.12 - EP US)

Citation (search report)

- [XY] WO 2006080875 A1 20060803 - SCANIA CV ABP [SE], et al
- [XY] DE 3940026 C1 19910110
- [XY] US 4328825 A 19820511 - BISHAI MACRAM N
- [X] WO 03067068 A1 20030814 - UFI FILTERS SPA [IT], et al
- [X] EP 0362114 A2 19900404 - STANADYNE AUTOMOTIVE CORP [US]

Cited by

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**EP 2078845 A1 20090715**

DOCDB simple family (application)

**EP 08100199 A 20080108**