Title (en)

FUEL FILTER AND SEPARATOR WITH BYPASSABLE BOOST PUMP.

Title (de)

KOMBINATION VON KRAFTSTOFFILTER, ABSCHEIDER UND ÜBERDRUCKBARE ÜBERDRUCKPUMPE.

Title (fr)

FILTRE ET SEPARATEUR POUR DU CARBURANT DIESEL DOTES D'UNE POMPE DE SURALIMENTATION CONTOURNABLE.

Publication

EP 0604410 A4 19950329 (EN)

Application

EP 91913210 A 19910719

Priority

US 9104995 W 19910719

Abstract (en)

[origin: WO9301874A1] A fuel filter and boost pump apparatus including a filter chamber (203), a fuel filter (247) on the inside of the chamber, and a fuel pump (201) on the outside of the chamber. The chamber has a bottom mounted remotely actuated discharge valve (265). The fuel pump is in fluid connection with the inlet of the fuel filter by means of valves (223, 309). When the fuel pump is not running, these valves cause the fuel flow to bypass the pump and directly enter the inlet of the filter. A water sensor (267) detects water within the filter chamber. The remotely actuated solenoid discharge valve is operated when the water sensor detects a critical level (269) of water in the chamber.

IPC 1-7

B01D 17/02; B01D 17/12; B01D 27/10

IPC 8 full level

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CPC (source: EP US)

B01D 17/0214 (2013.01 - EP); **B01D 17/045** (2013.01 - EP); **B01D 17/10** (2013.01 - EP); **B01D 35/26** (2013.01 - EP); **B01D 36/003** (2013.01 - EP); **B01D 36/005** (2013.01 - EP US); **F02M 37/28** (2018.12 - EP US); **F02M 37/44** (2018.12 - EP US); **F02M 37/54** (2018.12 - EP US); F02B 1/04 (2013.01 - EP); F02D 33/003 (2013.01 - EP); F02M 37/00 (2013.01 - EP)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 9301874A1

Cited by

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CH DE FR GB IT LI

DOCDB simple family (publication)

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