

Title (en)

A system for reducing fuel consumption in combustion engines

Title (de)

Vorrichtung zur Reduzierung des Kraftstoffverbrauches in Brennkraftmaschinen

Title (fr)

Dispositif pour diminuer la consommation en carburant des moteurs à combustion

Publication

EP 1094216 A3 20020502 (EN)

Application

EP 00500215 A 20001019

Priority

PA 8484701 A 19991021

Abstract (en)

[origin: EP1094216A2] A system for reducing fuel consumption in combustion engines is described, which may be installed between the flange and the fuel filter, by means of which a reduction in the excess of pressure in the primary filter is achieved, which entails a consequent reduction of the amount of fuel going to the injection fuel pump. The system consists of three perforated plates for the passage of fuel, a pair of pistons provided for supplying pressure to the inside of the reducer system, a safety valve for moving the piston, and a spring for each piston, which keeps each one under tension and in its position. The system is applicable with diesel or "bunker" fuel. The fuel reduction achieved is within the range of 10 to 60% in comparison with current consumption. <IMAGE>

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F02M 37/00

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CPC (source: EP)

F02M 37/0017 (2013.01); **F02M 37/0023** (2013.01); **F02M 37/0047** (2013.01)

Citation (search report)

- [X] EP 0392187 A1 19901017 - BOSCH GMBH ROBERT [DE]
- [A] DE 4031232 A1 19920409 - BOSCH GMBH ROBERT [DE]
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- [A] GB 2167808 A 19860604 - PIERBURG GMBH & CO KG
- [A] FR 2285526 A1 19760416 - VILLEMUR RENE [FR]
- [A] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 11 28 November 1997 (1997-11-28)

Designated contracting state (EPC)

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