Title (en)

DEAERATOR FOR FUEL INSTALLATION IN INTERNAL COMBUSTION ENGINES

Publication

EP 0307739 A3 19890531 (DE)

Application

EP 88114398 A 19880903

Priority

DE 3731206 A 19870917

Abstract (en)

[origin: EP0307739A2] The invention relates to a deaerator in a fuel installation intended for air-compressing injection internal combustion engines with a passage, which connects the supply line to the return line, provided for the quantity of vented air. The deaerator is designed as a double-acting reversing valve with a closing element moving between two valve seats, which closing element on the one hand allows essentially deaeration gases to pass through at discharge pressure without significant quantities of fuel being led off therewith, and on the other suppresses the connection between the supply line and return line if there is no pressure in the supply line. <IMAGE>

IPC 1-7

F02M 37/00; F02M 55/00

IPC 8 full level

F02M 37/00 (2006.01); **F02M 55/00** (2006.01); F02M 37/20 (2006.01)

CPC (source: EP)

F02M 37/0023 (2013.01); **F02M 55/007** (2013.01); F02M 37/0052 (2013.01); F02M 37/20 (2013.01)

Citation (search report)

- US 4079717 A 19780321 - SHIROSE HARUYA
- DE 8522528 U1 19851010
- GB 2157803 A 19851030 - FACET ENTERPRISES
- DE 1979410 U 19680222 - DAIMLER BENZ AG [DE]

Cited by

FR2818322A1; CN102734016A; CN109790807A; CN104500294A; CN100354518C; GB2441309B; GB2327460A; GB2327460B; EP1215390A1; US6220228B1; EP1106884A2; US7201153B2; US7273041B2; EP1088984A3; EP3567242A3; WO9605423A3; WO2004001217A1; WO03031852A1; US7938958B2; WO2008020219A3; WO2007007260A3; WO2018065235A1

Designated contracting state (EPC)

FR GB IT SE

DOCDB simple family (publication)

EP 0307739 A2 19890322; **EP 0307739 A3 19890531**; **EP 0307739 B1 19921111**; DE 3731206 A1 19890330; DE 3731206 C2 19900705

DOCDB simple family (application)

EP 88114398 A 19880903; DE 3731206 A 19870917