

Title (en)
Injection engine fuel supply system

Title (de)
Kraftstoffversorgungseinrichtung für Einspritzbrennkraftmaschine

Title (fr)
Dispositif d'alimentation en carburant pour moteur à injection

Publication
EP 1302632 A1 20030416 (EN)

Application
EP 02022896 A 20021014

Priority
IT TO20010980 A 20011016

Abstract (en)
There is described a fuel supply system (1) for an engine (2), having a fuel tank (3); a fuel injector (4); an injection pump (5) having an inlet (5a) connected to the fuel tank (3) by an intake line (6), and an outlet (5b) connected to the fuel injector (4) by a delivery line (7); and an engine cut-off device (12) for cutting off the engine (2) when the lubricating oil in the oil sump (17) of the engine (2) is below a desired minimum level. More specifically, the engine cut-off device (12) is defined by a pulse-operated pump (12) having an inlet (14a) communicating with an air-containing environment (3); an excitation port (13a) communicating with the oil sump (17) of the engine (2) along an excitation conduit (18) having an outlet section (18a) located substantially at the minimum lubricating oil level; and an outlet (14b) communicating with the intake line (6). <IMAGE>

IPC 1-7
F01M 11/12; **F01M 1/24**

IPC 8 full level
F01M 1/24 (2006.01); **F01M 11/12** (2006.01)

CPC (source: EP)
F01M 1/24 (2013.01); **F01M 11/12** (2013.01)

Citation (search report)
• [A] US 6085716 A 20000711 - KAMPICHLER GUENTER [DE], et al
• [A] US 4203408 A 19800520 - TAKASU HITOYUKI [JP], et al
• [A] US 5878710 A 19990309 - RITTER ALBRECHT M [US], et al
• [A] DE 4430816 A1 19950302 - HONDA MOTOR CO LTD [JP]
• [A] US 4911121 A 19900327 - BARNES RICHARD W [US]
• [A] US 4622935 A 19861118 - JANISCH DOUGLAS G [US]

Cited by
CN102947556A; WO2011110321A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)
EP 1302632 A1 20030416; **EP 1302632 B1 20050720**; AT E299988 T1 20050815; DE 60205073 D1 20050825; DE 60205073 T2 20060330; ES 2244710 T3 20051216; IT TO20010980 A1 20030416

DOCDB simple family (application)
EP 02022896 A 20021014; AT 02022896 T 20021014; DE 60205073 T 20021014; ES 02022896 T 20021014; IT TO20010980 A 20011016