

Title (en)
DEVICE FOR TIMING FUEL INJECTION IN INTERNAL COMBUSTION ENGINES

Publication
EP 0011613 B1 19831109 (DE)

Application
EP 79890051 A 19791116

Priority
AT 825578 A 19781120

Abstract (en)
[origin: EP0011613A1] 1. Device for timing fuel injection at cold start in internal combustion engines having means for automatic control of timing the fuel injection in operation (timing controller) actuated in dependence of rpm, comprising additional means (35) for obtaining a lead of injection timing during run up with respect to the adjusted injection timing at low idle, characterized in that locking means (21, 39) locking the means for obtaining a lead of injection timing in its active position, and shut-off means (15, 40) for the locking means (21, 39) actuated in dependence of a parameter in the operation of the internal combustion engine are provided, that the means (35) for obtaining a lead of injection timing to be actuated at the start is formed by a linkage part (34, 32) engaging the translating mechanism (27) of the timing controller and operable against the bias of a spring means (36), and that the locking means is formed by a movable stop (39) which by the action of a spring means (42) may be brought in a position gripping behind said linkage part (32) and locking it in its active position.

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F02D 1/16

IPC 8 full level
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CPC (source: EP)
F02D 1/16 (2013.01); **F02M 57/023** (2013.01); **F02M 59/42** (2013.01)

Citation (examination)
• DE 1143675 B 19630214 - BOSCH GMBH ROBERT
• FR 2387356 A1 19781110 - VOLKSWAGENWERK AG [DE]
• GB 537958 A 19410715 - ARTHUR FREEMAN SANDERS, et al

Cited by
CN112302821A; EP0022051A1; GB2266934A; GB2266934B

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0011613 A1 19800528; EP 0011613 B1 19831109; AT 369140 B 19821210; AT A825578 A 19820415; DE 2966395 D1 19831215

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