

Title (en)

CONTROL DEVICE FOR PILOT AND MAIN INJECTION WITH INTERMEDIATE INJECTION PAUSE FOR INTERNAL COMBUSTION ENGINES, ESPECIALLY WITH AIR COMPRESSION AND SELF IGNITION

Publication

**EP 0389822 A3 19901010 (DE)**

Application

**EP 90104054 A 19900302**

Priority

DE 3907232 A 19890307

Abstract (en)

[origin: EP0389822A2] The invention relates to a device (1) for controlling a pilot and a main injection with intermediate injection pause, in which a first control section (2) with a control piston (12) triggering the pilot injection is arranged in a pressure line (7) connecting the fuel injection pump (8) and the injection nozzle (9), which control piston is effectively connected to a separate second control section (3) controlling the injection pause quantity, the injection pause quantity determined by the pause piston (24) of the second control section (3) being stored or cut back on the low pressure side. <IMAGE>

IPC 1-7

**F02M 45/02**

IPC 8 full level

**F02M 45/04** (2006.01)

CPC (source: EP)

**F02M 45/04** (2013.01)

Citation (search report)

- [X] US 4520774 A 19850604 - SITTER ERHARD [DE]
- [AD] DE 1260865 B 19680208 - DAIMLER BENZ AG
- [A] GB 2194599 A 19880309 - BOSCH GMBH ROBERT
- [A] FR 2303172 A1 19761001 - DAIMLER BENZ AG [DE]
- [A] FR 1495537 A 19670922 - PEUGEOT

Cited by

AT411184B

Designated contracting state (EPC)

FR GB IT

DOCDB simple family (publication)

**EP 0389822 A2 19901003; EP 0389822 A3 19901010; EP 0389822 B1 19930901**; DE 3907232 A1 19900913; DE 3907232 C2 19930624

DOCDB simple family (application)

**EP 90104054 A 19900302**; DE 3907232 A 19890307