

Title (en)

CONTROL APPARATUS FOR DIESEL ENGINES

Publication

**EP 0009475 A3 19800917 (DE)**

Application

**EP 79890035 A 19790921**

Priority

- AT 683778 A 19780921
- AT 806578 A 19781110

Abstract (en)

[origin: EP0009475A2] 1. Control apparatus for fuel injection pumps (26) of Diesel engines having individual injection pumps or individual unit-injectors (26), which controls the maximum quantity and timing of injection by means of cam surfaces (33, 43, 49 ; 118, 130) in accordance with operation parameters, characterized in that at least one cam surface (33, 43, 49 ; 118, 130) which limits the capacity of the pump at the highest optimum value assigned to the respective operating condition, is coaxially arranged on a common axle or shaft (114) at least together with one cam surface (34, 50 ; 117) setting the timing of injection.

IPC 1-7

**F02D 1/02**

IPC 8 full level

**F02D 1/04** (2006.01); **F02D 1/10** (2006.01); **F02M 59/44** (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP)

**F02D 1/04** (2013.01); **F02D 1/10** (2013.01); **F02M 59/447** (2013.01); **F02B 3/06** (2013.01); **F02M 2200/24** (2013.01)

Citation (search report)

- US 3968779 A 19760713 - DAVIS CHARLES W
- [A] FR 1297616 A 19620629 - BOSCH GMBH ROBERT
- [A] US 3572303 A 19710323 - BECKER PHILIPP, et al
- [A] FR 2362280 A1 19780317 - BOSCH GMBH ROBERT [DE]
- [A] DE 2555569 A1 19760708 - FRIEDMANN & MAIER AG
- [A] US 3311102 A 19670328 - VOIGT MAX H
- [A] FR 1488552 A 19670713 - DAIMLER BENZ AG

Cited by

FR2504197A1; EP0041939A1; CN114215907A; WO8803606A1; WO8802810A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0009475 A2 19800402**; **EP 0009475 A3 19800917**; **EP 0009475 B1 19821229**; DE 2964426 D1 19830203

DOCDB simple family (application)

**EP 79890035 A 19790921**; DE 2964426 T 19790921