

Title (en)
ADJUSTMENT OF INJECTION TIMING USING A CENTRIFUGAL GOVERNOR

Publication
EP 0041110 A3 19820602 (DE)

Application
EP 81102311 A 19810327

Priority
DE 3020554 A 19800530

Abstract (en)
[origin: EP0041110A2] 1. An injection timing means regulated by centrifugal force for injection pumps associated with combustion engines, in particular self-firing, air-compressing combustion engines, formed of a drive unit and a take-off shaft (3), of a rotating casing (1) connected to the drive unit, of centrifugal weights (6) which are arranged within the casing (1) and are displaceable against force exerted by springs (10), the take-off shaft (3) being drivable to change its angle of rotation, and of an additional means which influences the displacement of the centrifugal weights, characterized in that said means is constituted by unilaterally acting shock-absorbing elements which inhibit the displacement of the centrifugal weights (6) only during a brief rapid acceleration of the centrifugal weights (6) ($t \leq 15$ seconds).

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F02D 1/04; **F02D 1/16**

IPC 8 full level
F02D 1/04 (2006.01); **F02D 1/16** (2006.01)

CPC (source: EP)
F02D 1/16 (2013.01)

Citation (search report)
• [A] GB 2024989 A 19800116 - BOSCH GMBH ROBERT
• [A] GB 2024370 A 19800109 - BOSCH GMBH ROBERT
• [A] FR 1036774 A 19530910
• [A] DE 2458109 A1 19750619 - NISSAN DIESEL MOTOR CO [JP], et al
• [A] FR 1055012 A 19540216 - DAIMLER BENZ AG
• [XE] GB 2066419 A 19810708 - BOSCH GMBH ROBERT

Cited by
DE3400812A1; US7120643B2

Designated contracting state (EPC)
AT FR GB SE

DOCDB simple family (publication)
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