

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).

IPC 1-7  
**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  
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• [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)  
**EP 0041110 A2 19811209**; **EP 0041110 A3 19820602**; **EP 0041110 B1 19850206**; AT E11689 T1 19850215; DE 3020554 A1 19811203

DOCDB simple family (application)  
**EP 81102311 A 19810327**; AT 81102311 T 19810327; DE 3020554 A 19800530