

Title (en)
CONTROL VALVE FOR FUEL INJECTION

Publication
EP 0424797 B1 19930303 (DE)

Application
EP 90119950 A 19901018

Priority
US 42508089 A 19891023

Abstract (en)
[origin: US4967796A] A fuel injection control valve has a housing with a high pressure fuel inlet, a fuel outlet and a spill passage. A spool is rotatably and slidably received in the housing. The spool has peripheral delivery and spill control recesses which control communication of fuel to the outlet and through the spill passage as the spool rotates. The width and depth of the recesses may be adjusted to achieve desired timing and flow rate control. The spool is threadably connected to a rotating drive shaft. The spool is movable axially to adjust the amount of fuel delivered for each spool rotation and can be rotated relative to the engine drive system to adjust injection timing.

IPC 1-7
F02M 63/00; **F02M 69/14**

IPC 8 full level
F02M 47/00 (2006.01); **F02M 59/26** (2006.01); **F02M 63/00** (2006.01); **F02M 69/14** (2006.01)

CPC (source: EP US)
F02M 63/0003 (2013.01 - EP US); **F02M 63/0008** (2013.01 - EP US); **F02M 69/147** (2013.01 - EP US); **Y10T 137/86421** (2015.04 - EP US); **Y10T 137/86549** (2015.04 - EP US)

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