

Title (en)
ELECTROMAGNETICALLY ACTUATED VALVE.

Title (de)
ELEKTROMAGNETISCH BETÄTIGBARES VENTIL.

Title (fr)
SOUPAPE A COMMANDE ELECTROMAGNETIQUE.

Publication
EP 0460125 B1 19931103 (DE)

Application
EP 90916030 A 19901110

Priority
DE 3942306 A 19891221

Abstract (en)
[origin: WO9110061A1] In known electromagnetically actuated valves with axial fuel feed, the opening stroke of the valve closing element is limited by an annular stop device. If the valve needle is skewed, however, only part of the stop makes contact, and therefore the injected volume is not metered with sufficient accuracy. The new stop device makes it possible to control the opening stroke of the valve closing element whether or not the valve needle is skewed. When the valve is open, the new stop rod (40), which is concentric with the longitudinal axis (4) of the valve, touches the valve closing element (14), thereby limiting its opening stroke. The stop rod (40) is mounted in the flow hole (21) of the core (1) by means of the sliding sleeve (22). The design of the stop device is particularly suited to fuel injection valves.

IPC 1-7
F02M 51/08

IPC 8 full level
F02M 51/06 (2006.01); **F02M 51/08** (2006.01)

CPC (source: EP US)
F02M 51/0614 (2013.01 - EP US); **F02M 51/0682** (2013.01 - EP US); **Y10S 239/90** (2013.01 - EP US)

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Designated contracting state (EPC)
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DE 3942306 A1 19910627; BR 9007144 A 19920218; DE 59003365 D1 19931209; EP 0460125 A1 19911211; EP 0460125 B1 19931103; ES 2046798 T3 19940201; JP 2839709 B2 19981216; KR 100187996 B1 19990601; KR 920701660 A 19920812; US 5143301 A 19920901; WO 9110061 A1 19910711

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