

Title (en)  
Actuator arrangement and injection valve

Title (de)  
Aktuatoranordnung und Einspritzventil

Title (fr)  
Agencement d'actionneur et soupape à injection

Publication  
**EP 2075857 A1 20090701 (EN)**

Application  
**EP 07025217 A 20071228**

Priority  
EP 07025217 A 20071228

Abstract (en)  
Actuator arrangement (10), comprising a solid state actuator unit (12) with a longitudinal axis (A) comprising electric pins (20) being electrically coupable to a power supply and a piston (18), wherein the solid state actuator unit (12) comprises a first axial end area (24) designed to act as drive side and a second axial end area (26) facing away from the first axial end area (24), a compensator unit (14) being arranged facing the second axial end area (26) of the solid state actuator unit (12) along the longitudinal axis (A) of the solid state actuator unit (12) and being in contact with the solid state actuator unit (12) via the piston (18), and a damping element (16) being designed and arranged in-between the compensator unit (14) and the solid state actuator unit (12) facing the second axial end area (26) of the solid state actuator unit (12), the damping element (16) being preloaded by the compensator unit (14) and the solid state actuator unit (12).

IPC 8 full level  
**H10N 30/50** (2023.01); **F02M 51/06** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP)  
**F02M 51/0603** (2013.01); **F02M 61/167** (2013.01); **F02M 63/0026** (2013.01); **F02M 2200/306** (2013.01)

Citation (search report)  
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• [A] WO 0240858 A1 20020523 - SIEMENS AG [DE], et al  
• [A] EP 1647703 A1 20060419 - BOSCH GMBH ROBERT [DE]  
• [A] US 2002134851 A1 20020926 - LORRAINE JACK [US], et al

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CN102748179A

Designated contracting state (EPC)  
DE FR IT

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**EP 2075857 A1 20090701**; **EP 2075857 B1 20110323**; DE 602007013435 D1 20110505

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