

Title (en)  
Actuator arrangement and injection valve

Title (de)  
Aktuatoranordnung und Einspritzventil

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

Publication  
**EP 2105603 A1 20090930 (EN)**

Application  
**EP 08005774 A 20080327**

Priority  
EP 08005774 A 20080327

Abstract (en)  
Actuator arrangement (12), comprising a housing body (18) with a recess (20), and a solid state actuator unit (22) within the recess (20) with a longitudinal axis (A) being electrically coupable to a power supply, wherein the solid state actuator unit (22) comprises a first axial end area (30) designed to act as drive side and a second axial end area (32) facing an adapter (34) being designed and arranged such as to supply electric energy. A ring (36) is arranged intermediate the adapter (34) and the housing body (18), the ring (36) being designed and arranged such as to seal against an intrusion of liquid into the recess (20) and to provide an oxygen communication between the exterior of the actuator arrangement (12) and the recess (20).

IPC 8 full level  
**F02M 51/06** (2006.01); **F02M 55/00** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP)  
**F02M 51/005** (2013.01); **F02M 51/0603** (2013.01); **F02M 55/004** (2013.01); **F02M 61/08** (2013.01)

Citation (search report)  
• [X] DE 102005051287 A1 20070503 - SIEMENS AG [DE]  
• [X] US 2006038032 A1 20060223 - PLECHER KLAUS [DE], et al  
• [X] US 2006037579 A1 20060223 - SCHMUTZLER GERD [DE], et al  
• [A] EP 1130249 A2 20010905 - RODI POWER SYSTEMS INC [US]  
• [A] EP 1783842 A1 20070509 - DELPHI TECH INC [US]

Designated contracting state (EPC)  
DE FR IT

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**EP 2105603 A1 20090930**

DOCDB simple family (application)  
**EP 08005774 A 20080327**