

Title (en)

Piezo-actuator-unit for an injector

Title (de)

Piezoaktoreinheit für ein Einspritzventil

Title (fr)

Unité d'actionnement piezo pour un injecteur

Publication

EP 1884654 B1 20090318 (EN)

Application

EP 06015489 A 20060725

Priority

EP 06015489 A 20060725

Abstract (en)

[origin: EP1884654A1] A piezo-actuator-unit (6) for an injector comprises a piezo-element (26) and a tube-shaped housing (20) which takes in the piezo-element (26). A top portion (24) of the tube-shaped housing (20) is coupled to a first axial end of the piezo-element (26). A bottom portion (22) of the tube-shaped housing (20) has a needle recess (23) and is coupled to a second axial end of the piezo-element (26). A needle body (8) protrudes from the needle recess (23) and is axially coupled to the piezo-element (26). An actuator spring (28) is axially coupled to the piezo-element (26) and the bottom portion (22) of the tube-shaped housing (20) for forcing the piezo-element (26) away from the bottom portion (22) of the tube-shaped housing (20).

IPC 8 full level

F02M 51/06 (2006.01)

CPC (source: EP)

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