

Title (en)
INJECTOR COMPRISING A PIEZO MULTILAYER ACTUATOR FOR INJECTION SYSTEMS

Title (de)
INJEKTOR MIT PIEZO-MEHLAGENAKTOR FÜR EINSPRITZSYSTEME

Title (fr)
INJECTEUR AVEC PIEZO-ACTIONNEUR MULTICOUCHE POUR SYSTEMES D'INJECTION

Publication
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Application
EP 00907452 A 20000126

Priority
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• DE 19905413 A 19990210

Abstract (en)
[origin: US6315216B1] An injector having a multilayer piezoelectric actuator for injection systems, in particular for common rail diesel injection systems, of motor vehicles, in which the body of the piezoelectric actuator has a square or rectangular cross-sectional contour and is seated, together with a two-legged prestressing bracket that is mounted along opposed outer sides of the actuator body, inside a longitudinal bore of the injector body. The longitudinal bore has a polygonal cross-sectional shape with rounded corners, the shape is adapted to the cross-sectional contour of the actuator body and the prestressing bracket, so that outside the longitudinal bore, space is created in the injector body for a high-pressure bore located parallel to the longitudinal bore of the injector.

IPC 1-7
F02M 51/06; **F02M 55/00**

IPC 8 full level
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