

Title (en)
FLUID-INJECTION DEVICE FOR INTERNAL COMBUSTION ENGINES

Title (de)
FLUID-EINSPRITZVORRICHTUNG FÜR BRENNKRAFTMASCHINEN

Title (fr)
DISPOSITIF D'INJECTION DE FLUIDE POUR MOTEURS À COMBUSTION INTERNE

Publication
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Application
EP 16781708 A 20161005

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Abstract (en)
[origin: WO2017060285A1] The invention specifies a fluid-injection device (1) for internal combustion engines, having a valve body (13), in which a valve needle (5) is arranged in a displaceable manner along a longitudinal axis (34) of the valve body (13), and having a valve seat (9), in order to release or to close a fluid outlet. The fluid-injection device (1) has at least one spring element (17), which is arranged between the valve body (13) and the valve needle (5) and by means of which the valve needle (5) is supported on the valve body (13), and therefore the valve needle (5) is guided by means of the spring element (17) so that tilting of the valve needle (5) in relation to the longitudinal axis (34) during operation of the fluid-injection device (1) is at least largely prevented.

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