

Title (en)

Fuel injector valve for combustion engines

Title (de)

Kraftstoffeinspritzventil für Brennkraftmaschinen

Title (fr)

Soupape d'injection de carburant pour moteurs à combustion interne

Publication

EP 2458194 B1 20140820 (DE)

Application

EP 11182517 A 20110923

Priority

DE 102010041629 A 20100929

Abstract (en)

[origin: EP2458194A2] The fuel injection valve has housing (1), where a piston-shaped valve needle (20) is arranged in longitudinally movable manner. A valve sealing surface is formed at the valve needle. The valve needle with a valve seat acts together for opening and closing an injection opening. The valve needle has two piston-shaped valve needle units (120,220), where former valve needle unit limits a control chamber (30) and latter valve needle portion has the valve sealing surface.

IPC 8 full level

F02M 47/02 (2006.01); **F02M 61/10** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP)

F02M 45/08 (2013.01); **F02M 47/027** (2013.01); **F02M 61/10** (2013.01); **F02M 61/167** (2013.01); **F02M 2200/02** (2013.01); **F02M 2200/8084** (2013.01); **F02M 2547/001** (2013.01)

Cited by

FR3042822A1; CN108138717A; WO2017067930A1; US10502170B2

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DE 102011083260 A1 20120329; EP 2458194 A2 20120530; EP 2458194 A3 20130724; EP 2458194 B1 20140820

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