

Title (en)
Fuel injector

Title (de)
Kraftstoffeinspritzventil

Title (fr)
Injecteur de combustible

Publication
EP 0921302 A2 19990609 (EN)

Application
EP 98309515 A 19981120

Priority
GB 9725802 A 19971206

Abstract (en)
A fuel injector comprises a valve needle (14) engageable with a seating to control fuel flow from a delivery passage (18) to an outlet opening (20), a control chamber (24) communicating with the delivery passage (18), the control chamber (24) being defined, in part, by a surface associated with the valve needle (14) orientated such that the application of fuel under pressure to the control chamber (24) applies a force to the valve needle (14) urging the valve needle (14) towards its seating, a control valve (62) controlling the fuel pressure within the control chamber (24), and a delivery valve (40, 46) responsive to the fuel pressure within the control chamber (24) to control the flow of fuel along the delivery passage (18) towards the seating. <IMAGE>

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F02M 47/02

IPC 8 full level
F02M 47/00 (2006.01); **F02M 47/02** (2006.01); **F02M 51/00** (2006.01); **F02M 61/20** (2006.01)

CPC (source: EP)
F02M 47/027 (2013.01)

Citation (applicant)
• EP 0767304 A1 19970409 - LUCAS IND PLC [GB]
• EP 0798459 A2 19971001 - LUCAS IND PLC [GB]
• EP 0740068 A2 19961030 - LUCAS IND PLC [GB]

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