

Title (en)
Accumulator fuel injection apparatus.

Title (de)
Speicherkraftstoffeinspritzvorrichtung.

Title (fr)
Dispositif d'injection de carburant avec accumulateur.

Publication
EP 0582993 A1 19940216 (EN)

Application
EP 93112796 A 19930810

Priority
JP 21408092 A 19920811

Abstract (en)
An accumulator fuel injection apparatus (100) in which a nozzle element (5) is divided into a first nozzle body (11) having a one end side of said nozzle element (5) and a second nozzle body (12) having the other end side of the nozzle element (5). The accumulator fuel injection apparatus (100) comprises a stopper (45) for setting a maximum movement position of the first nozzle body (11) toward the second nozzle body (11), a second pressure control chamber (50) communicating with a first pressure control chamber (15) and forming a predetermined space or interval through which the first nozzle body (11) and the second nozzle body (12) are spaced away from each other under a condition that the first nozzle body (11) is arranged at the maximum movement position, and delay means (29,35) for delaying reduction of pressure within the first pressure control chamber (15) due to the fact that fluid flows into a low-pressure chamber from the first pressure control chamber (15) upon communication of the first pressure control chamber (15) and the low-pressure chamber with each other. It is possible to easily perform operation of setting an amount of pre-lift of the nozzle needle which decides an injection rate, and operation of assembling constitutional elements thereof. <IMAGE>

IPC 1-7
F02M 47/02; **F02M 45/08**

IPC 8 full level
F02M 47/00 (2006.01); **F02M 45/08** (2006.01); **F02M 47/02** (2006.01); **F02M 51/06** (2006.01); **F02B 3/06** (2006.01)

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F02M 45/083 (2013.01); **F02M 47/027** (2013.01); **F02B 3/06** (2013.01)

Citation (search report)

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