

Title (en)

Accumulator-type fuel injection apparatus and control method for the same

Title (de)

Akkumulator-Kraftstoffeinspritzvorrichtung und Steuerungsverfahren dafür

Title (fr)

Dispositif d'injection de combustible du type à accumulation et procédé de commande associé

Publication

EP 0962650 A2 19991208 (EN)

Application

EP 99103574 A 19990224

Priority

JP 15131498 A 19980601

Abstract (en)

An accumulator-type fuel injection apparatus has a plurality of fuel injection valves for corresponding individual cylinders of an engine. The fuel injection valves (2) are connected to a common pressure-accumulator chamber (3) that is connected to an ejection side of a fuel pump (5). Fuel is pumped from the fuel pump (5) into the pressure-accumulator chamber (3) and then supplied into the cylinders via the corresponding fuel injection valves (2). The fuel pumping timing of the fuel pump is set relative to the fuel injection timing so that a variation in fuel pressure in the pressure-accumulating chamber (3) at the time of start of a fuel injecting operation is smaller than a predetermined set value. <IMAGE>

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IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

JP H05106495 A 19930427 - NIPPON DENSO CO

Cited by

EP1598548A1; EP1598549A1; CN101713359A; CN106460745A; EP3499012A1; CN109915270A; US7063073B2; US7198034B2; WO2015169467A1; US10634085B2

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