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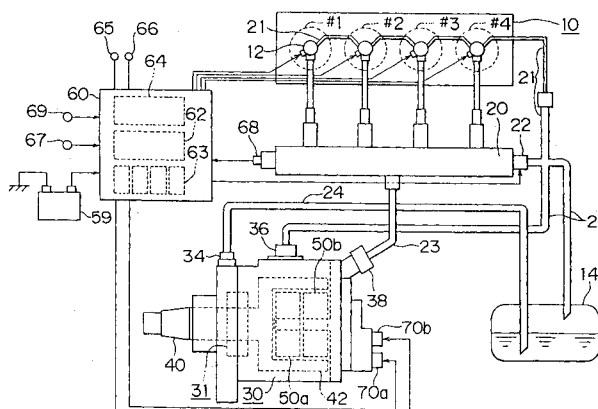
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(54) **Fuel pressure control apparatus**

(57) The present invention proposes a fuel pressure control apparatus for a high-pressure fuel injection system which sufficiently reduces a fuel pressure in an accumulator line (20) while preventing the high-pressure fuel injection system from being adversely affected. The fuel pressure control apparatus for the high-pressure fuel injection system is equipped with an accumulator line (20) for accumulating fuel supplied from a fuel pump (30) at a high pressure and supplying the fuel to fuel injection valves (12), and with a relief valve (22) for discharging fuel in the accumulator line (20). Furthermore, the ap-

paratus is equipped with fuel pressure control means (68) for detecting a fuel pressure in the accumulator line (20) and driving the relief valve (22) so as to reduce the fuel pressure in accordance with a pressure reduction requirement based on a comparison between the detected fuel pressure and a target pressure. An electronic control unit (60) determines a detection timing of the fuel pressure in such a manner as to prevent a period during which the fuel pump (30) force-feeds fuel from overlapping with the detection timing of the fuel pressure by detection means (68).

FIG. 1





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EUROPEAN SEARCH REPORT

Application Number
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Place of search The Hague		Date of completion of the search 26 March 2004	Examiner Sideris, M
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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