Title (en)

METHOD OF CONTROLLING AN AMOUNT OF INJECTED FUEL

Publication

EP 0193788 B1 19910515 (DE)

Application

EP 86102097 A 19860218

Priority

DE 3507853 A 19850306

Abstract (en)

[origin: EP0193788A2] A method of controlling an amount of injected fuel by means of a fuel injection pump for internal-combustion engines is proposed. The method serves to reduce the noises produced by a diesel engine during idling and at low partial load. The fuel injection pump comprises at least one pump plunger (3) producing the pressure for injection and delimiting a pump working space (6), and an electromagnetically actuable control device (20) which opens a relief channel (16) to a greater or lesser extent as a function of operating parameters (22, 23, 24) of the internal-combustion engine by virtue of an electronic control unit (21). The activation of the control device (20) during idling and in the low partial-load range is effected in such a way that the control device (20) does not completely close the relief channel (16), with the result that a prolongation of the injection duration is necessary. At speeds above this, the control device (20) is activated with a current which guarantees complete blockage of the relief channel (16) during injection. <IMAGE>

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