

Title (en)

Fuel injection device for internal combustion engines, in particular for a diesel engine, as well as a method for monitoring this device

Title (de)

Kraftstoffeinspritzanlage für eine Brennkraftmaschine, insbesondere für einen Dieselmotor, sowie ein Verfahren zur Überwachung derselben

Title (fr)

Dispositif d'injection pour moteurs à combustion interne, en particulier pour un moteur diesel, et méthode de surveillance de ce dispositif

Publication

**EP 0666416 B1 19990901 (DE)**

Application

**EP 94120647 A 19941224**

Priority

CH 31594 A 19940203

Abstract (en)

[origin: EP0666416A1] The injection quantity of the fuel into the combustion cylinders is determined by a quantity controlled feed device (120). The quantity controlled feed device is formed as a flow regulator connected ahead of the fuel pump (6), which has a throttle valve operable from a control appts. (31) with or without position feed-back or a timed closure valve. For the throttle valve of the flow regulator a series-arranged pressure correction throttle valve, which alters the pressure drop over the throttle valve, so that after the flow regulator the required theoretical pressure always exists.

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IPC 8 full level

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CPC (source: EP US)

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Cited by

EP0909892A3; DE102008022084A1; DE102008022084B4; EP1425506A4; CN110945232A; RU2770084C2; DE19645243A1; DE19645243C2; AT414027B; WO2018233980A1

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