

Title (en)

INJECTOR FOR A FUEL INJECTION SYSTEM FOR INTERNAL COMBUSTION ENGINES, WITH HYDRAULIC PRESTRESSING OF THE PRESSURE BOOSTER

Title (de)

INJEKTOR FÜR EIN KRAFTSTOFFEINSPRITZSYSTEM FÜR BRENNKRAFTMASCHINEN MIT HYDRAULISCHER VORSPANNUNG DES DRUCKÜBERSETZERS

Title (fr)

INJECTEUR DU SYSTEME D'INJECTION DE CARBURANT DE MOTEURS A COMBUSTION INTERNE DOTE D'UNE PRECONTRAINTES HYDRAULIQUE DU DISPOSITIF DEMULTIPLICATEUR DE PRESSION

Publication

**EP 1144843 A1 20011017 (DE)**

Application

**EP 00984824 A 20001012**

Priority

- DE 0003582 W 20001012
- DE 19951144 A 19991023

Abstract (en)

[origin: DE19951144A1] The injector has a pressure intensifier (19) with two guide bores containing pistons (9,11). The second guide bore (7) is in hydraulic connection with a leakage oil return (25). The pressure (P1) in the return is lower than the supply pressure. The first guide bore (5), the first piston (9), and the housing (1,3) are sealed relative to the environment by a concertina sleeve (33). The supply pressure in the pressure chamber (17) is provided by a supply pipe (31), which opens into a chamber formed by piston, housing, and sleeve.

IPC 1-7

**F02M 47/02**

IPC 8 full level

**F02M 47/00** (2006.01); **F02M 47/02** (2006.01); **F02M 51/00** (2006.01); **F02M 59/46** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP US)

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Citation (search report)

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