

Title (en)

INJECTION SYSTEM AND METHOD FOR PRODUCING AN INJECTION SYSTEM

Title (de)

EINSPRITZSYSTEM UND VERFAHREN ZUM HERSTELLEN EINES EINSPRITZSYSTEMS

Title (fr)

SYSTÈME D'INJECTION ET PROCÉDÉ DE FABRICATION D'UN SYSTÈME D'INJECTION

Publication

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Application

EP 06805998 A 20061002

Priority

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Abstract (en)

[origin: US2009200406A1] An injection system (1) for injecting fuel at a predetermined fuel pressure has: an actuator (2, 3) providing a stroke for lifting an injector needle (4) that opens a nozzle into which the fuel is injected; a leverage apparatus (5) for translating the provided stroke into a modified stroke, the apparatus has a compensating device (6) coupled to the actuator (2, 3), and a lever device (7), which is coupled to the injector needle (4), wherein the lever device has at least two symmetrically disposed, single-arm levers (8a, 8b), which each come in contact with an injector needle head (10) of the injector needle (4) when lifting the injector needle (4) by means of a single needle head support (9a, 9b); and wherein the compensating device (6) is suited to compensate a varying force application of the actuator (2, 3) on the single-arm lever (8a, 8b).

IPC 8 full level

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CPC (source: EP US)

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