

Title (en)
COMMON-RAIL INJECTION DEVICE

Title (de)
COMMON-RAIL-EINSPRITZVORRICHTUNG

Title (fr)
DISPOSITIF D'INJECTION A RAMPE COMMUNE

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Application
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Abstract (en)
[origin: WO2020016513A1] The invention relates to an injection device comprising a common rail (2) extending in a longitudinal direction and defining a main chamber (4), the common rail (2) comprising: - an inlet port opening into the main chamber (4) and intended for being connected to a fuel supply pipe; - at least one injection well (5) extending along a first axis, said injection well (5) comprising a bottom (5a) and an injector interface area (5b) in which an injector (9) is to be mounted; - at least one transverse pipe (6) extending along a second axis and opening into the main chamber (4), on the one hand, and into the bottom (5a) of the injection well (5), on the other hand, so as to connect the main chamber (4) to said injection well (5), the first and second axes being secant; and - a nozzle (8) arranged in the bottom (5a) of the injection well (5) and reducing the fuel flow area between the pipe (6) and the injector interface area (5b) of the injection well (5).

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