

Title (en)
INJECTION NOZZLE WITH A FUEL FILTER

Title (de)
EINSPRITZDÜSE MIT KRAFTSTOFFFILTER

Title (fr)
INJECTEUR POURVU D'UN FILTRE A CARBURANT

Publication
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Application
EP 03708080 A 20030201

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Abstract (en)
[origin: WO03072933A1] Disclosed is an injection nozzle (1) with a fuel filter for a reciprocating internal combustion engine, comprising a filter body (8) in the pressure duct (13) of a nozzle holder (2) which is provided with a holding body (3) and a nozzle body (4). The filter surface or filter slots of the inventive injection nozzle (1) is/are formed by bore holes in the filter body (8) and filter elements that are movably arranged therein. The filter elements are configured as loose balls (19) forming filter slots with the walls of the bore holes (18) such that said loose balls (19) can pulsate as a result of the flow of fuel and dynamically reduce the size of residues.

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