

Title (en)
FUEL INJECTION NOZZLE FOR INTERNAL COMBUSTION ENGINES

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Application
EP 87900644 A 19870110

Priority
DE 3604907 A 19860217

Abstract (en)
[origin: WO8705077A1] The nozzle described comprises an inwardly-opening valve-needle (14) and a nozzle bore (20), in which a throttling pin (18) of the valve needle (14) penetrates during forward movement of the needle. The throttling pin (18) is provided with at least two flats (30, 32, or 30, 32, 40, or 30, 40) to provide preferential passage cross-sections in the nozzle bore (20). At least two flats (30, 32, or 32, 40) and at different cross-sectional planes of the throttling pin (18). This enables a progressive increase in the overall cross-section of the nozzle bore (20) during the forward travel of the valve needle (14), while providing precisely controllable production conditions.

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