

Title (en)

ATOMISING DISC AND FUEL INJECTION VALVE WITH AN ATOMISING DISC

Title (de)

ZERSTÄUBERSCHEIBE UND BRENNSTOFFEINSPRITZVENTIL MIT EINER ZERSTÄUBERSCHEIBE

Title (fr)

DISQUE ATOMISEUR ET SOUPAPE D'INJECTION DE CARBURANT DOTE DUDIT DISQUE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO0244553A1] The invention relates to an atomising disc (23) with at least one inlet (40), at least one outlet (42) and an integral passage for fuel between the inlet (40) and the outlet (42). A throughflow sensor (50, 51, 50', 51', 150, 151) is arranged in the atomising disc (23), upstream of a metering diameter of the fluid passage. The flow through the atomising disc (23) during flowing operation may thus be regulated and actively adjusted at any time. The atomiser disc (23) is particularly suitable for application in a fuel injection valve, in particular, a high pressure injection valve for direct injection of fuel into a combustion chamber of a mixture-compressing, spark-ignited internal combustion engine.

IPC 8 full level

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