

Title (en)
ELECTROMAGNETICALLY CONTROLLED VALVE

Title (de)
ELEKTROMAGNETISCH BETÄTIGBARES VENTIL

Title (fr)
VALVE À COMMANDE ÉLECTROMAGNÉTIQUE

Publication
EP 0871822 B1 20060823 (DE)

Application
EP 97924897 A 19970516

Priority
• DE 9701006 W 19970516
• DE 19632196 A 19960809

Abstract (en)
[origin: DE19632196A1] An electromagnetically controlled valve is characterised in that both the valve seat carrier (10) and the valve needle (19) are elongated. The injection point of the valve is thus advantageously moved forward, so that a very pointed injection becomes possible. A connecting part (19') which connects the armature (6) to the valve closure body (21) is designed as a punched and bent part and has over the largest part of its axial extension an open profile which deviates from a circular cross-section. The valve needle (19) thus has a lower mass than known valve needles of the same size. This valve is particularly useful in fuel injection systems of mixture-compressing, spark-ignited internal combustion engines.

IPC 8 full level
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CPC (source: EP KR US)
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