

Title (en)  
ELECTROMAGNETICALLY CONTROLLED VALVE

Title (de)  
ELEKTROMAGNETISCH BETÄTIGBARES VENTIL

Title (fr)  
VALVE À COMMANDE ÉLECTROMAGNÉTIQUE

Publication  
**EP 0871822 A1 19981021 (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 1-7  
**F02M 51/06**; **F02M 61/16**

IPC 8 full level  
**F02M 51/06** (2006.01); **F02M 51/08** (2006.01); **F02M 61/10** (2006.01); **F02M 61/16** (2006.01); **F16K 1/32** (2006.01); **F16K 31/06** (2006.01)

CPC (source: EP KR US)  
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**DE 19632196 A1 19980212**; **DE 19632196 B4 20041104**; CN 1077652 C 20020109; CN 1198799 A 19981111; DE 59712713 D1 20061005; EP 0871822 A1 19981021; EP 0871822 B1 20060823; JP 2000500218 A 20000111; KR 19990064075 A 19990726; RU 2177075 C2 20011220; US 5975436 A 19991102; WO 9806939 A1 19980219

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