

Title (en)  
ELECTROMAGNETICALLY OPERATED VALVE

Title (de)  
ELEKTROMAGNETISCH BETÄTIGBARES VENTIL

Title (fr)  
SOUPAPE A COMMANDE ELECTROMAGNETIQUE

Publication  
**EP 0937201 B1 20020710 (DE)**

Application  
**EP 98945005 A 19980717**

Priority  
• DE 9802003 W 19980717  
• DE 19739850 A 19970911

Abstract (en)  
[origin: DE19739850A1] The inventive electromagnetically operated valve is characterised in that an axially moveable valve needle (6) consisting of an armature (12), a valve closing body (13) and a connecting part (14) connecting these two parts is provided. The tubular connecting part (14) has a longitudinal slit (51) whose opening width is narrower at the end (56) facing towards the valve closing body (13) than across the rest of its axial extension due to flaring in the original sheet part. The valve closing body (13) can therefore be securely fixed with a weld (16) to the lower end (56) of the connecting part (14) without disadvantageous sink points appearing. The inventive valve is particularly suitable for use in fuel injection systems of mixture compression spark ignition internal combustion engines.

IPC 1-7  
**F02M 51/06**

IPC 8 full level  
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