

Title (en)  
PIEZOELECTRICALLY ACTUATED FLUID VALVE

Title (de)  
PIEZOELEKTRISCH BETÄTIGTES FLUIDVENTIL

Title (fr)  
SOUPAPE POUR FLUIDES A COMMANDE PIEZO-ELECTRIQUE

Publication  
**EP 0835403 A1 19980415 (DE)**

Application  
**EP 95904388 A 19941227**

Priority  
• DE 9401544 W 19941227  
• DE 4410153 A 19940324

Abstract (en)  
[origin: DE4410153C1] A piezoelectric fluid valve has a valve housing (10) with a valve chamber (13), at least one connection channel (14) that opens into the valve chamber (13) and a valve seat (18) that surrounds the channel opening (16) and co-operates with a valve member (19) for closing and releasing the channel opening (16). The fluid valve has a piezoelectric multilayered transducer (20) secured at one side on the valve housing (10) and that bears the valve member (19) at or next to its free end opposite to its fastening site (103, 104). In order to increase the adjustment force of the transducer and thus the tightness of the fluid valve thanks to a higher closure force, the transducer (20) is further secured against swivelling to the valve housing (10) at a distance from its fastening site (103, 104).

IPC 1-7  
**F16K 31/00**

IPC 8 full level  
**F16K 31/00** (2006.01); **H02N 2/04** (2006.01)

CPC (source: EP)  
**F16K 31/006** (2013.01)

Citation (search report)  
See references of WO 9525920A1

Designated contracting state (EPC)  
BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)  
**DE 4410153 C1 19950209**; EP 0835403 A1 19980415; WO 9525920 A1 19950928

DOCDB simple family (application)  
**DE 4410153 A 19940324**; DE 9401544 W 19941227; EP 95904388 A 19941227