

Title (en)
A VALVE

Title (de)
VENTIL

Title (fr)
UNE VANNE

Publication
EP 1119724 A1 20010801 (EN)

Application
EP 99951063 A 19991018

Priority
• IE 9900107 W 19991018
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Abstract (en)
[origin: WO0023740A1] A valve (1) comprises a tubular valve housing (5) which defines a hollow interior region (6) closed by end caps (8, 9) through which a fluid inlet (10) and a fluid outlet (12) are provided to and from a hollow interior region (6). A valving member (15) is operable between a closed position sealing the outlet (12) and an open position permitting fluid flow through the valve (1). A pair of permanent magnets (20) mounted within a yoke (25) on the housing (5) induces two pairs of magnetic flux loops (24a, 24b) for alternately retaining the valving member (15) in the respective closed and open positions. Electro-magnets (35a, 35b) are operable by a DC pulse for reducing the magnetic force in one flux loop (24a) and increasing the magnetic force in the other flux loop (24b) for urging the valving member (15) from the closed to the open position, and vice versa.

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F16K 31/08

IPC 8 full level
F16K 21/00 (2006.01); **F16K 21/04** (2006.01); **F16K 31/08** (2006.01); **F23N 1/00** (2006.01)

CPC (source: EP)
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Citation (search report)
See references of WO 0023740A1

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WO 0023740 A1 20000427; AU 6363599 A 20000508; EP 1119724 A1 20010801; IE S990871 A2 20000726

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