

Title (en)  
Double acting electromagnetic actuator

Title (de)  
Elektromechanischer Doppelhubmagnet

Title (fr)  
Electro-aimant de commande à double effet

Publication  
**EP 0859380 B1 20020605 (DE)**

Application  
**EP 97117126 A 19971002**

Priority  
DE 19705598 A 19970214

Abstract (en)  
[origin: EP0859380A2] The double acting proportional electro magnetic actuator system Ä11Ü has an armature Ä33Ü with an axial in line displacement sensor Ä12Ü. The actuator has two coils Ä18,19Ü with a magnet flux conducting centre disc Ä35Ü with stator poles . Poles are formed on the armature. A spring Ä47Ü provides a fail safe position for the valve. An additional rotary motion is provided by the excitation of both coils

IPC 1-7  
**H01F 7/17**

IPC 8 full level  
**F16K 31/06** (2006.01); **H01F 7/16** (2006.01); **H01F 7/17** (2006.01)

CPC (source: EP)  
**H01F 7/17** (2013.01); **H01F 2007/1684** (2013.01)

Cited by  
WO2009024337A1; WO0016357A1

Designated contracting state (EPC)  
DE GB IT

DOCDB simple family (publication)  
**EP 0859380 A2 19980819; EP 0859380 A3 19981118; EP 0859380 B1 20020605**; DE 19705598 A1 19980820; DE 59707411 D1 20020711; JP H10233312 A 19980902

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