

Title (en)  
ELECTROMAGNETIC MULTIPLE ACTUATOR

Title (de)  
ELEKTROMAGNETISCHER MEHRFACHSTELLANTRIEB

Title (fr)  
MECANISME DE COMMANDE MULTIPLE ELECTROMAGNETIQUE

Publication  
**EP 1179121 A1 20020213 (DE)**

Application  
**EP 00943573 A 20000512**

Priority  
• DE 0001500 W 20000512  
• DE 19922427 A 19990514

Abstract (en)  
[origin: DE19922427A1] The invention relates to a multiple actuator for an electromechanically actuated valve. The inventive actuator comprises a housing (1, 2, 3) through which several armature shafts (9) extend. The armature shafts each comprise an armature (10) and two electromagnets which are situated inside the housing. Two springs (12, 68) impinge upon each armature (10) in order to displace them into an inoperative position between the electromagnets. This construction enables the available surface area to be optimally utilized by a valve to be actuated. The armature (10) has a maximum surface, and an optimal heat dissipation by thermal conduction can be attained via the corresponding underside (15) of the housing.

IPC 1-7  
**F01L 9/04**

IPC 8 full level  
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CPC (source: EP US)  
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Citation (search report)  
See references of WO 0070196A1

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