

Title (en)  
Valve actuator

Title (de)  
Klappenstelleinheit

Title (fr)  
Dispositif de commande d'une valve

Publication  
**EP 1156200 A3 20021106 (DE)**

Application  
**EP 01109256 A 20010414**

Priority  
DE 10024426 A 20000519

Abstract (en)  
[origin: EP1156200A2] The unit (2) has a control motor (6) coupled over a gear to a flap shaft. A sensor unit measures the control position of the flap shaft. An electrical coupling element is arranged on a cover (15) fixed on a flap support. A bearing (23) on the cover side for a motor shaft (8) of the control motor and functional parts of the control motor are arranged on the cover, so that the control motor is fixed by setting the cover on the flap support.

IPC 1-7  
**F02D 11/10**

IPC 8 full level  
**F02D 11/10** (2006.01)

CPC (source: EP US)  
**F02D 11/10** (2013.01 - EP US); **F02D 11/106** (2013.01 - EP US); **F02D 2011/102** (2013.01 - EP US); **F02D 2200/0404** (2013.01 - EP US)

Citation (search report)

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- [PX] DE 19903490 A1 20000824 - A B ELEKTRONIK GMBH [DE]
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- [DA] DE 19525510 A1 19970116 - BOSCH GMBH ROBERT [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 08 6 October 2000 (2000-10-06)

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EP2202398A3

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**EP 1156200 A2 20011121; EP 1156200 A3 20021106; EP 1156200 B1 20060301**; DE 10024426 A1 20011122; DE 50109028 D1 20060427; ES 2258042 T3 20060816; US 2001045203 A1 20011129; US 6581569 B2 20030624

DOCDB simple family (application)  
**EP 01109256 A 20010414**; DE 10024426 A 20000519; DE 50109028 T 20010414; ES 01109256 T 20010414; US 85910801 A 20010516