

Title (en)  
Electric throttle actuator

Title (de)  
Elektromotorisches Stellglied, insbesondere mit einer Drosselklappe

Title (fr)  
Actionneur électrique de papillon

Publication  
**EP 0989292 A3 20011205 (DE)**

Application  
**EP 99118566 A 19990920**

Priority  
DE 19843771 A 19980924

Abstract (en)  
[origin: EP0989292A2] A separate casing for electronics (8) is fastened to the butterfly throttle housing (2). It contains control and/or analysis electronics.

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

IPC 8 full level  
**F02M 17/00** (2006.01); **F02D 11/10** (2006.01)

CPC (source: EP KR)  
**F02D 11/10** (2013.01 - EP); **F02M 17/00** (2013.01 - KR); **F02D 2400/18** (2013.01 - EP); **F05C 2201/021** (2013.01 - EP)

Citation (search report)

- [X] WO 9635047 A1 19961107 - BOSCH GMBH ROBERT [DE], et al
- [X] EP 0844378 A2 19980527 - HITACHI LTD [JP], et al
- [X] DE 3405935 A1 19850822 - VDO SCHINDLING [DE]

Cited by  
EP1170486A3; US7089911B2; WO2004031558A1; WO02081885A1; US7185629B2; US7284535B2; US7458360B2; US7782044B2

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

DOCDB simple family (publication)  
**EP 0989292 A2 20000329; EP 0989292 A3 20011205; EP 0989292 B1 20050810**; BR 9904315 A 20001114; DE 19843771 A1 20000330; DE 59912384 D1 20050915; KR 100634632 B1 20061013; KR 20000023460 A 20000425

DOCDB simple family (application)  
**EP 99118566 A 19990920**; BR 9904315 A 19990924; DE 19843771 A 19980924; DE 59912384 T 19990920; KR 19990041283 A 19990927