

Title (en)  
THROTTLE VALVE ASSEMBLY

Publication  
**EP 0444239 A3 19920708 (DE)**

Application  
**EP 90117606 A 19900913**

Priority  
DE 4006041 A 19900226

Abstract (en)  
[origin: EP0444239A2] A set point transmitter (2), which has an actuating spindle (5) in alignment with the throttle valve spindle (3), is flanged to a throttle housing (1). The actuating spindle (5) engages rotatably by means of a spigot (9) in a bearing bush (11), which is likewise arranged rotatably in a bearing hole (10) in the throttle valve spindle (3). As a result, there is a two-fold possibility for the rotation of the actuating spindle (5) relative to the throttle valve spindle (3). It is unnecessary to support the actuating spindle in the casing on the side on which the throttle valve spindle (3) is situated. <IMAGE>

IPC 1-7  
**F02D 41/28**; **F02D 11/10**

IPC 8 full level  
**F02D 9/02** (2006.01); **F02D 9/10** (2006.01); **F02D 11/10** (2006.01)

CPC (source: EP US)  
**F02D 11/10** (2013.01 - EP US); **F02D 11/106** (2013.01 - EP US); **F02D 2009/0294** (2013.01 - EP US); **F02D 2011/103** (2013.01 - EP US)

Citation (search report)

- [A] EP 0337099 A2 19891018 - BOSCH GMBH ROBERT [DE]
- [A] EP 0306641 A1 19890315 - PIERBURG GMBH [DE]
- [A] DE 8715061 U1 19890309
- [A] DE 3809910 A1 19891005 - VDO SCHINDLING [DE]

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