

Title (en)
Throttle body

Title (de)
Drosselklappenstutzen

Title (fr)
Corps de papillon

Publication
EP 1126146 A3 20030122 (DE)

Application
EP 01100484 A 20010109

Priority
DE 10007611 A 20000218

Abstract (en)
[origin: DE10007611A1] The device has a housing (14) with socket (4) supporting a throttle valve (6), and an actuating drive (18). The housing is of injection-molded plastic, and functional components of the actuating drive are contained in the housing and partially enclosed by plastic. The throttle valve is enclosed by the heat-conducting socket, and one functional component and the socket are formed integrally or are connected heat-conducting. The socket is mainly of metal, esp. aluminum.

IPC 1-7
F02D 11/10; **F02D 9/10**

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

CPC (source: EP US)
F02D 9/104 (2013.01 - EP US); **F02D 9/1065** (2013.01 - EP US); **F02D 11/10** (2013.01 - EP US); **F05C 2201/021** (2013.01 - EP US)

Citation (search report)

- [PX] EP 1051567 A1 20001115 - MANNESMANN VDO AG [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 03 31 March 1999 (1999-03-31)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 02 26 February 1999 (1999-02-26)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 14 31 December 1998 (1998-12-31)

Cited by
EP2031215A1; EP1308612A1; US7143996B2; DE102009053830A1; EP1231371A3; US7661405B2; US7237529B2; WO2004113702A1; US11591975B2; WO2020058097A1

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 1126146 A2 20010822; **EP 1126146 A3 20030122**; **EP 1126146 B1 20051012**; DE 10007611 A1 20010823; DE 50107646 D1 20060223; US 2001030518 A1 20011018; US 6646395 B2 20031111

DOCDB simple family (application)
EP 01100484 A 20010109; DE 10007611 A 20000218; DE 50107646 T 20010109; US 78099901 A 20010208