

Title (en)  
Throttle valve body

Title (de)  
Drosselklappenstutzen

Title (fr)  
Corps de papillon

Publication  
**EP 1186763 B1 20041215 (DE)**

Application  
**EP 01121149 A 20010904**

Priority  
DE 10044294 A 20000907

Abstract (en)  
[origin: EP1186763A2] The socket (10) has a tubular socket part (16) with an outer jacket (16A) of metal, which is at least partially and radially enclosed by a plastic housing (12). The housing contains an adjusting drive (30) for the throttle flap shaft (22). The housing also contains a position detection unit (32) and a spring system for the throttle flap shaft. The socket part has radial projections (44) for shaft bearings (46). The adjusting drive has a metal base plate (36).

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

IPC 8 full level  
**B29C 45/14** (2006.01); **F02D 9/00** (2006.01); **F02D 9/02** (2006.01); **F02D 9/10** (2006.01); **F02D 11/10** (2006.01); **F02D 35/00** (2006.01); **B29K 105/22** (2006.01); **B29L 31/00** (2006.01)

CPC (source: EP US)  
**F02D 9/1035** (2013.01 - EP US); **F02D 9/104** (2013.01 - EP US); **F02D 9/107** (2013.01 - EP US); **F05C 2201/021** (2013.01 - EP US); **Y10T 137/8242** (2015.04 - EP US)

Cited by  
FR2997745A1; CN100460647C; DE102005052362A1; DE102008027888A1; EP2133539A3; US7469677B2; WO2014072605A1; WO2005078260A1

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 1186763 A2 20020313**; **EP 1186763 A3 20030402**; **EP 1186763 B1 20041215**; DE 10044294 A1 20020516; DE 50104816 D1 20050120; JP 2002138861 A 20020517; US 2002056478 A1 20020516; US 6505643 B2 20030114

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