

Title (en)

Throttle device with a receptacle and electric contacts for the drive unit

Title (de)

Drosselvorrichtung mit Antriebsaufnahme und Antriebskontaktierung

Title (fr)

Dispositif d'étranglement avec un réceptacle et des contacts électriques pour l'unité motrice

Publication

**EP 1281849 B1 20051019 (DE)**

Application

**EP 02014581 A 20020702**

Priority

DE 10138060 A 20010803

Abstract (en)

[origin: EP1281849A2] A housing part (2) for a throttle device has an air flow channel, bearings (7,8) for a throttle flap unit, and is actuated by an adjusting drive (20). During fabrication of the housing part, a retainer housing (12) for the drive is simultaneously formed with it, which has first and second guide faces for the drive, and fasteners (16) for a closure and contact element (24) integrated in the drive. Housing and contact element are sealed via an integrated seal.

IPC 1-7

**F02D 9/10**; **F02D 11/10**

IPC 8 full level

**F02D 9/02** (2006.01); **B29C 45/00** (2006.01); **F02D 9/10** (2006.01); **F02D 11/10** (2006.01); **B29L 31/00** (2006.01)

CPC (source: EP US)

**F02D 9/1065** (2013.01 - EP US); **F02D 9/107** (2013.01 - EP US); **F02D 11/10** (2013.01 - EP US); **Y10T 29/49117** (2015.01 - EP US); **Y10T 29/49169** (2015.01 - EP US); **Y10T 29/49231** (2015.01 - EP US)

Cited by

EP1688591A3; EP1701020A4; CN102066723A; FR3077692A1; FR3106452A1; US8156922B2; US8450896B2; WO2009156268A1; WO2009024369A1; WO2021144527A1; US8074622B2

Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

**EP 1281849 A2 20030205**; **EP 1281849 A3 20040225**; **EP 1281849 B1 20051019**; DE 10138060 A1 20030220; DE 50204576 D1 20060302; JP 2003106175 A 20030409; US 2003024119 A1 20030206; US 6763582 B2 20040720

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