

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

B29C 45/00 (2006.01); **F02D 9/02** (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; FR3077692A1; CN102066723A; FR3106452A1; US8156922B2; US8450896B2; WO2009024369A1; WO2009156268A1; 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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