

Title (en)

Flap device with at least two separately produced flaps fitted together for joint motion

Title (de)

Klappenvorrichtung mit wenigstens zwei gesondert hergestellten und zur gemeinsamen Bewegung miteinander montierten Klappen

Title (fr)

Dispositif à clapets doté d'au moins deux clapets spécialement fabriqués et montés ensemble pour un mouvement simultané

Publication

EP 2557298 B1 20171122 (DE)

Application

EP 11177435 A 20110812

Priority

EP 11177435 A 20110812

Abstract (en)

[origin: EP2557298A1] The device (110) has a housing (120) surrounding flow channel portions (126, 128, 130, 133) and movable relative to flaps (132, 134, 136, 137). An effective passage area of the flow channel portions is variable by relative displacement of the flaps relative to the housing. The adjacent flaps are made separately and coupled together by form closure geometries e.g. projections (164) and recesses (166), for joint movement of the flaps. One of the flaps comprises a flap shaft portion, and is rotatably supported at the housing with the flap shaft portion.

IPC 8 full level

F02D 9/10 (2006.01)

CPC (source: EP US)

F02D 9/107 (2013.01 - EP US); **F02D 9/1095** (2013.01 - EP US)

Cited by

DE102016203517A1; US10557420B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2557298 A1 20130213; **EP 2557298 B1 20171122**; CN 103061896 A 20130424; CN 103061896 B 20161221; US 2013037000 A1 20130214; US 8739761 B2 20140603

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