

Title (en)

DEVICE FOR CONDUCTING EXHAUST GAS IN AN INTERNAL COMBUSTION ENGINE

Title (de)

VORRICHTUNG ZUR ABGASFÜHRUNG IN EINER VERBRENNUNGSKRAFTMASCHINE

Title (fr)

DISPOSITIF DE GUIDAGE DES GAZ D'ÉCHAPPEMENT DANS UN MOTEUR À COMBUSTION INTERNE

Publication

EP 2855909 B1 20160330 (DE)

Application

EP 13720363 A 20130430

Priority

- DE 102012104545 A 20120525
- EP 2013059027 W 20130430

Abstract (en)

[origin: WO2013174629A1] Devices for conducting exhaust gas in an internal combustion engine, comprising a heat exchanger (12) having an inner housing (39) and an outer housing (34), a bypass flap (56), a mixing housing (10), in which the bypass flap (56) is supported and which is fastened to the heat exchanger (12), a first valve seat (60), which is formed on the mixing housing (10) and on which the bypass flap (56) lies in the state in which the bypass is closed, and a second valve seat (62), on which the bypass flap (56) lies in the state in which the heat exchanger (12) is closed, are known. In order to guarantee the easiest possible installation of the second valve seat without having to machine the mixing housing (10), a collar (64) that forms the second valve seat (62) is formed on the inner housing (39) of the heat exchanger (12).

IPC 8 full level

F02M 26/00 (2016.01); **F02B 29/04** (2006.01); **F28F 9/02** (2006.01); **F28F 27/02** (2006.01)

CPC (source: EP)

F02M 26/26 (2016.02); **F02M 26/30** (2016.02); **F28D 21/0003** (2013.01); **F28F 9/005** (2013.01); **F02M 26/32** (2016.02); **F28D 7/06** (2013.01); **F28F 2250/06** (2013.01); **F28F 2275/04** (2013.01); **F28F 2275/06** (2013.01); **F28F 2280/00** (2013.01)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

DE 102012104545 A1 20131128; **DE 102012104545 B4 20140515**; EP 2855909 A1 20150408; EP 2855909 B1 20160330; ES 2572708 T3 20160601; IN 7334DEN2014 A 20150424; WO 2013174629 A1 20131128

DOCDB simple family (application)

DE 102012104545 A 20120525; EP 13720363 A 20130430; EP 2013059027 W 20130430; ES 13720363 T 20130430; IN 7334DEN2014 A 20140901