

Title (en)

EXHAUST COLLECTOR FLANGE FOR AN INTERNAL COMBUSTION ENGINE

Title (de)

ABGASKRÜMMERFLANSCH FÜR EINE VERBRENNUNGSKRAFTMASCHINE

Title (fr)

BRIDE DE COLLECTEUR D'ÉCHAPPEMENT POUR MOTEUR À COMBUSTION INTERNE

Publication

**EP 1019618 A1 20000719 (DE)**

Application

**EP 98955335 A 19980915**

Priority

- DE 9802737 W 19980915
- DE 19743803 A 19971002
- DE 19744982 A 19971013
- DE 19827276 A 19980619

Abstract (en)

[origin: WO9918336A1] The invention relates to an exhaust collector flange for an internal combustion engine, comprising a base part with cavities (21) for exhaust pipes (32) and openings (23) to cylinder entrances on the engine block of the internal combustion engine, and delivery means for secondary air and/or recirculated exhaust gases. Said delivery means are connected to the openings to the cylinder entrances. According to the invention, the delivery means comprise a channel positioned directly on the base part. A cover element (22) which only extends over a partial area of the base part is provided for forming said channel.

IPC 1-7

**F01N 7/10**; **F01N 3/34**; **F02M 25/07**

IPC 8 full level

**F01N 3/34** (2006.01); **F01N 13/10** (2010.01); **F02M 25/07** (2006.01)

CPC (source: EP)

**F01N 3/34** (2013.01); **F01N 13/10** (2013.01); **F02M 26/12** (2016.02); **F02M 26/20** (2016.02); **F02M 26/44** (2016.02); **Y02T 10/12** (2013.01)

Citation (search report)

See references of WO 9918336A1

Designated contracting state (EPC)

AT CH DE ES FR GB IT LI SE

DOCDB simple family (publication)

**WO 9918336 A1 19990415**; AU 1223399 A 19990427; DE 19881446 D2 20010104; EP 1019618 A1 20000719

DOCDB simple family (application)

**DE 9802737 W 19980915**; AU 1223399 A 19980915; DE 19881446 T 19980915; EP 98955335 A 19980915