

Title (en)
EXHAUST MANIFOLD FOR EXHAUST GASES FROM A MULTI CYLINDER COMBUSTION ENGINE

Title (de)
ABGASKRÜMMER FÜR ABGASE AUS EINER MEHRZYLINDRIGEN BRENNKRAFTMASCHINE

Title (fr)
COLLECTEUR D'ÉCHAPPEMENT POUR GAZ D'ÉCHAPPEMENT PROVENANT D'UN MOTEUR À COMBUSTION À MULTIPLES CYLINDRES

Publication
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Application
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Priority

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- SE 2012051082 W 20121010

Abstract (en)
[origin: WO2013058700A1] The present invention relates to a manifold for receiving exhaust gases from a multi-cylinder combustion engine (1). The manifold comprises a common line (4), a first branch line (3a-c) adapted to receiving exhaust gases from a first cylinder (2a-c) and to leading them into the common line (4) via a first outlet aperture (3a1-3c1), and at least one second branch line (3b-d) adapted to receiving exhaust gases from a second cylinder (2b-d) and to leading them into the common line (4) via a second outlet aperture (3b1-3d1) situated downstream of the first outlet aperture with respect to the intended direction of flow of the exhaust gases in the common line (4). The manifold is provided with a guide element (7) which protrudes into the common line (4), thereby reducing the cross-section for the flow of exhaust gases close to the second outlet aperture (3b1-3d1). The guide element (7) has running through it at least one hole (7c), the size of which is such that part of the exhaust gases in the common line (4) which reach the guide surface (7a) passes through said hole (7c). The invention relates also to a combustion engine provided with such a manifold.

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Citation (search report)

- [A] JP H08200056 A 19960806 - TOYOTA MOTOR CORP, et al
- [A] JP 2000104545 A 20000411 - KUBOTA KK
- See references of WO 2013058700A1

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