

Title (en)

Flange plate, flange connection and exhaust manifold

Title (de)

Flanschplatte, Flanschverbindung und Abgaskrümmer

Title (fr)

Bride, bride de liaison et collecteur de gaz d'échappement

Publication

EP 2407649 B1 20141203 (DE)

Application

EP 11172317 A 20110701

Priority

DE 102010026958 A 20100712

Abstract (en)

[origin: EP2407649A1] The flange plate has two connecting pieces, where an exhaust pipe (10) is fixed on each connecting piece. The connecting pieces are formed at the flange plate in an integral manner. Multiple through-holes are provided for fixing the flange plate at an internal combustion engine (1).

IPC 8 full level

F01N 13/08 (2010.01); **F01N 13/10** (2010.01); **F01N 13/18** (2010.01)

CPC (source: EP US)

F01N 13/08 (2013.01 - EP US); **F01N 13/10** (2013.01 - EP US); **F01N 13/1816** (2013.01 - EP US); **F01N 2450/22** (2013.01 - EP US)

Designated contracting state (EPC)

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DOCDB simple family (publication)

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US 2012006012 A1 20120112; US 8661802 B2 20140304

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