

Title (en)
Exhaust manifold

Title (de)
Abgaskrümmer

Title (fr)
Collecteur d'échappement

Publication
EP 0731258 B1 20020904 (DE)

Application
EP 96102547 A 19960221

Priority
DE 19507439 A 19950303

Abstract (en)
[origin: EP0731258A1] The assembly consists of a flange (1) on which outlet pipes (4) are mounted. At least two of the pipes (4) are shaped so that they have semi-circular cross section and can together be mounted in a larger tube (6) of circular cross section. This larger tube and a third outlet pipe (4) are shaped so that they can be joined and mounted in a large outlet pipe (7). The outlet pipe is connected to the same flange (1) to which the outlet pipes (4) are connected, or to a separate flange. The outlet pipe of the engine is connected to this flanges (1). The whole assembly is enclosed in a cover (19) which is also mounted on the flange (1).

IPC 1-7
F01N 7/10

IPC 8 full level
F01N 13/10 (2010.01)

CPC (source: EP)
F01N 13/102 (2013.01)

Cited by
US8459016B2; CN114135380A; EP1359294A1; DE19917604C5; DE10261879B4; EP1538314A1; CN100375830C; US2010115933A1; EP1803909A3; US7669412B2; EP2228529B1

Designated contracting state (EPC)
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EP 96102547 A 19960221; AT 96102547 T 19960221; DE 19507439 A 19950303; DE 59609613 T 19960221; ES 96102547 T 19960221