

Title (en)

EXHAUST GAS OUTLET DEVICE FOR INTERNAL COMBUSTION ENGINES AND METHOD FOR ITS MANUFACTURE

Publication

EP 0022063 B1 19840215 (DE)

Application

EP 80810177 A 19800527

Priority

CH 525079 A 19790606

Abstract (en)

[origin: ES257685U] A device for conducting away exhaust gases from internal combustion engines comprises at least one sleeve-shaped silencer which encloses an exhaust pipe and forms an enclosed space around said exhaust pipe. The silencer is made up of at least two sleeve-shaped parts, or of a sleeve-shaped part and base part, which are joined together. The portion of the exhaust pipe in the space inside the silencer features perforations and/or sound absorbing elements. The inside of the silencer may be fitted with sound absorbers. The sleeve-shaped parts of the silencer and if desired, the exhaust pipe and/or the sound absorbers are made of aluminum and/or an aluminum alloy. The sleeve-shaped parts of the silencer are manufactured by impact extrusion, deep drawing or a similar method and all joined together preferably radial to their longitudinal axis. The ends these parts taper down to tube-shaped extensions which fit over the exhaust pipe. To join the sleeve-shaped parts and the tube-shaped extensions to the exhaust pipe a region is provided on which an interlocking profile is created by electromagnetic forces.

IPC 1-7

F01N 7/16; F01N 7/18

IPC 8 full level

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CPC (source: EP US)

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Cited by

FR2706977A1; EP0056604A3; EP2757235A1; EP0391014A3; EP2781707A1; WO9500796A1; EP0159468B1

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