

Title (en)
EXHAUST DEVICE FOR MOTOR VEHICLES

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EP 0334168 B1 19910522 (DE)

Application
EP 89104504 A 19890314

Priority
DE 3809324 A 19880319

Abstract (en)
[origin: EP0334168A1] In exhaust devices, consisting of housings (1) and/or pipes (2) carrying exhaust gases, parts must, if necessary, be surrounded by an insulating shell consisting of insulating material (3), generally mineral wool, and a sheet-metal jacket (4). The connection between the sheet-metal jacket (4) and the housings (1) or pipes (2) is made on the one side as a fixed bearing (6) and on the other side as a loose bearing (7). In the region of the fixed bearing (6), a clamping ring (8.5) presses the end of the sheet-metal jacket (4) into a circumferential bead (2.1) in the pipe (2). In the region of the loose bearing (7), a sliding collar (9.1) (which is welded on one side to the pipe (2) carrying exhaust gases) overhangs the end (4.1) of the sheet-metal jacket (4). In this way, the connecting points (6, 7) between the sheet-metal jacket (4) and the exhaust device (1, 2) are sealed against the penetration of dirt and moisture and against insulating material (3) emerging. Relative movements between the sheet-metal jacket (4) and the housing (1), caused by engine vibration, pulsations of the exhaust gas and unevennesses in the roadway, are reduced to a minimum. The service life of the insulating material (3) is increased. Thermally dependent expansion differences between the sheet-metal jacket (4) and the exhaust device (1, 2) are compensated for without problems. <IMAGE>

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F01N 7/14

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