

Title (en)
Exhaust silencer for automotive vehicles

Title (de)
Abgasschalldämpfer für Kraftfahrzeuge

Title (fr)
Silencieux d'échappement pour véhicule automobile

Publication
EP 1908930 A2 20080409 (EN)

Application
EP 07380097 A 20070411

Priority
ES 200602160 U 20061003

Abstract (en)
The invention relates to an exhaust silencer for vehicles incorporating a casing determining a gas tight chamber, based on a tubular frame and two end covers, and having a gas intake pipe and at least one outlet pipe for such gases. The gas intake is located in the middle area of the tubular frame, said intake opening out into an expansion chamber, on the back wall of which the gases collide, which back wall comprises a multi-resonating membrane outside of which the chamber formed by the casing is filled with an absorbent material, arranging two outlet pipes on one side of the mentioned intake, perpendicular thereto and connected therewith through the mentioned expansion chamber, which outlet pipes internally house respective high frequency multi-resonators, whereas a Helmholtz resonator neck is arranged opposite to said outlets which opens out into an anti-resonating chamber located opposite to the gas outlets.

IPC 8 full level
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Cited by
DE102016103459A1; DE102016103466A1; DE102016103453A1; US2021355850A1; CN110307059A; WO2017144266A1; DE102016103459B4; DE102016103453B4

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