Title (en)
APPARATUS FOR TREATING SMOKE GASES, ESPECIALLY EXHAUST GASES

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Application
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Abstract (en)
[origin: WO8503977A1] Apparatus for treating smoke gases, particularly for exhaust gases of a combustion engine. The apparatus consists of a turbulence chamber (1) to which the gas to be treated is tangentially brought. The chamber is a cylinder-symmetrical space widening from the edges towards the centre, to the axis (A-A) of which the air channel (4) has been connected, in the middle of the wall of the chamber (1) there is an opening through which the mixture of gas and air removes from the turbulence chamber. The apparatus suits to be attached to the exhaust manifold or the exhaust pipes of an engine or to the smoke channel of an apparatus using liquid or solid fuel. The treatment apparatus according to the invention comprises two treatment units, the first one consists of the turbulence chamber (1); of the first cylinder-symmetrical reaction chamber (2) placed to the axis (A-A) of the chamber (1) which reaction chamber is connected with the first exhaust opening (3) to the turbulence chamber (1); and of the first air channel (4) that has been connected both to the turbulence chamber (1) and to the reaction chamber (2). The second treatment unit consists of the second exhaust opening (5) in the turbulence chamber (1), which opening is on the axis (A-A) of the turbulence chamber (1) opposite to the first exhaust opening (3) and the reaction chamber (2); of the cylinder-shaped intermediate chamber (6) connected to the exhaust opening (5); of the conical exhaust chamber (7) following the intermediate chamber; and of the second cylinder-symmetrical reaction chamber (8).

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