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MD.16.

Title Electrostatic filter for cleaning exhaust gazes (EG) of

motor vehicles

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The device comprises: a) a semi-spherical receiving chamber 6 and a confusor 8 for centrifugal separation of liquid and solid fractions from incomplete combustion; b) a high voltage pulse source with a negative crown electrode 11 for ionizing fluids and solid exhaust fractions; c) sedimentation chamber 1 for collecting liquid and solid fractions on the metal electrode strip 2 and contacting them with nitrogen dioxide and atomic oxygen; d) reservoir with cleaning liquid

Description EN

dioxide and atomic oxygen; d) reservoir with cleaning liquid 17 and atmospheric valve 18 and nozzle neck 9 for spraying a cleaning fluid into the exhaust gas stream and cleaning the precipitation of the electrode 2; e) an exhaust gas recirculation valve 15 in the lower part of the settling chamber 1 for blowing the liquid jet gas stream to clean the liquid and solid fractions of the precipitation chamber 1 through the engine exhaust gas recirculation line for combustion in the combustion chamber.

Class no. 1. Environment - Pollution Control

(max size 4x8 cm)