

Invention relates to the method of catalytic neutralization of exhaust gases of motor transport. Neutralization of exhaust gases of the motor transport is performed by way of transmission of the flow of gases consecutively through two complete sets of porous active plates of titanium located perpendicularly with the flow. Each complete set consists of even quantity of plates. The needles made of high-alloy steels are located on the odd plates, on which the dielectric and the catalyst are applied. Air for two consecutive processes is introduced into the neutralizer between the first and the second complete set of plates: electrocatalytic reduction and electrocatalytic oxidation. The ignition coil of car is the current source. After neutralization the flow of gas is discharged into the atmosphere. With the use of this method due to radical component of chemical processes in the area of discharge a drastic reduction of the temperature of the catalyst ignition is achieved, the processes of catalytic reduction and catalytic oxidation are conducted with high output, the deposit of soot and resin on the catalyst surface area is not allowed. During catalytic neutralization in the reactor of this design the reduction of the power of engine does not occur, which leads to the fuel economy and increase of the time of engine operation.