

The invention relates to methods for cleaning waste gases and can be used in different fields of industry to decrease toxic exhausts of combustion engines. A method includes forced mixing of oxidizer and reagents being oxidized at high-temperature section of discharge with oxidation of hydrocarbons and carbon monoxide with oxygen that is present in those gases, through longitudinal displacement of macrovolumes of waste gases and mixing of those. Purification is carried out in four stages: at the first stage one brings content of oxygen in fuel-air mix at inlet to cylinders to the level of values of stoichiometric relation $\alpha > 1.02$, at the second stage flows of worked-out gases are separated at outlet from each cylinder to parts and each part gets rotary motion with different values and directions of speed, at the third stage one combines those parts of flow to one, at the fourth stage one combines flows from all the cylinders and supplies those to the system of waste gases discharge.