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The invention relates to catalysts used for removal of harmful components from the exhaust and process gases.

Summary consists in that the catalyst contains copper oxide, black oxide of manganese, amorphous tungsten, vanadium and phosphor oxides, deposited on active aluminum oxide, in the following component ratio, mass %:

copper oxide (CuO) 4,20...5,80

black oxide of manganese 1,80...2,20

tungsten oxide (WO<sub>3</sub>) 8,10...9,20

vanadium oxide (V<sub>2</sub>O<sub>5</sub>) 7,04...15,80

phosphor oxide (P<sub>2</sub>O<sub>5</sub>) 2,76...3,10

aluminum oxidethe rest,

at the same time, the molecular ratio of the tungsten, vanadium and phosphor oxides constitutes, respectively, 10:1:0,5 or 8:2:0,5.

Claims: 1