

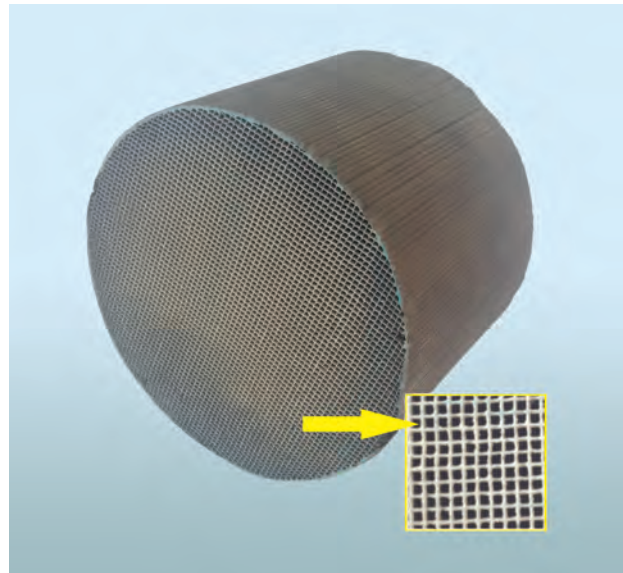
CATALYST FOR SELECTIVE REDUCTION OF NITROGEN OXIDES IN OXYGEN-RICH EXHAUST GASES

Areas of Application

The catalyst is to be used for neutralization of nitrogen oxides in exhaust gases emitted by lean-burn engines, diesel generators, etc.

Specification

Ceramic honeycomb-structured block matrix made of synthetic cordierite; purification from nitrogen oxides is $\geq 95\%$ at 250 – 400 °C; reducing agents are oxygenates, hydrocarbons; silver content is 0.5 ± 0.02 wt. %



Ag/Al₂O₃/cordierite block catalyst

Advantages

As compared with counterparts, the block catalyst has more accessible active components, a higher performance, a lower gas-dynamic resistance, and a reduced content of precious metals

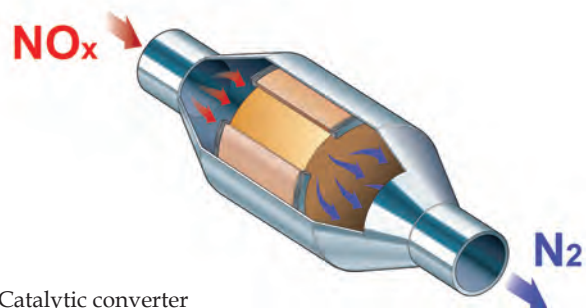


Application: purification of exhaust gases of diesel generators

Stage of Development. Suggestions for Commercialization

IRL3, TRL4

Upon request, batches of block catalyst and recommendations on the use are provided



Catalytic converter

IPR Protection

IPR2

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