

Title (en)

CERAMIC CATALYST FOR SELECTIVELY DECOMPOSING N₂O AND A METHOD FOR THE PRODUCTION THEREOF

Title (de)

KERAMISCHER KATALYSATOR ZUR SELEKTIVEN ZERSETZUNG VON N₂O UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)

CATALYSEUR CERAMIQUE DE DECOMPOSITION SELECTIVE DE N₂O ET PROCEDE PERMETTANT DE LE PRODUIRE

Publication

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Application

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Abstract (en)

[origin: DE19841740A1] The aim of the invention is to produce a catalyst for selectively decomposing N₂O in a mixture of nitrous gases which should be able to be used at temperatures ranging from 700 DEG C to at least 1000 DEG C without impairing the catalytic activity thereof. To this end, the catalyst is comprised of a porous ceramic supporting material and of a catalytically active phase, whereby the supporting material is comprised of up to at least 95 mass per cent of one or several alkaline-earth compound(s). The inventive catalyst can preferably be used during the production of nitric acid.

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