

Title (en)  
COMPOSITE CATALYST FOR THE LOW TEMPERATURE DECOMPOSITION OF NITROUS OXIDE, AND METHOD OF MANUFACTURE THEREOF

Title (de)  
VERBUNDKATALYSATOR ZUR TIEFTEMPERATURZERLEGUNG VON STICKSTOFFMONOXID UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)  
CATALYSEUR COMPOSITE CONÇU POUR LA DÉCOMPOSITION À BASSE TEMPÉRATURE D'OXYDE NITREUX, ET PROCÉDÉ DE FABRICATION ASSOCIÉ

Publication  
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Application  
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Abstract (en)  
[origin: WO2012114288A1] A composite catalyst according to the present invention contains cobalt oxide at 25 - 88.6 % by weight, zinc oxide at 10.99 - 60 % by weight as the substantive components, wherein the zinc oxide is introduced in two stages, during precipitation as well as prior to the forming of the catalyst. The ratio of zinc oxide introduced during the precipitation to the zinc oxide added prior to the forming of the catalyst is 1 :0.26-13.3 and it also contains components which improve activity, in the form of alkali metals at 0.01 -5 % by weight calculated in terms of oxides of these metals, and graphite at 0.4-10 %. Preferably, the alkali metals present in the catalyst composition are sodium and/or potassium.

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