

Title (en)
METHOD FOR TREATING CATALYTIC CONVERTER PREFORMS AND CATALYTIC CONVERTER PREFORMS WITH ENHANCED MECHANICAL STRENGTH

Title (de)
VERFAHREN ZUR BEHANDLUNG VON KATALYSATOR-FORMKÖRPERN UND KATALYSATOR-FORMKÖRPER MIT ERHÖHTER MECHANISCHER FESTIGKEIT

Title (fr)
PROCÉDÉ DE TRAITEMENT DE CORPS MOULÉS DE CATALYSEUR ET CORPS MOULÉ DE CATALYSEUR À RÉSISTANCE MÉCANIQUE ACCRUE

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Abstract (en)
[origin: WO2014029762A1] The present invention specifies a method for treating catalytic converter preforms, particularly to increase the mechanical strength thereof, said method comprising the following steps: a) provision of prepared catalytic converter preforms; b) immersion of the catalytic converter preforms together with a peptising agent in a volume of liquid not exceeding the theoretical water absorption of the catalytic converter preform; c) thermal treatment of the immersed catalytic converter preforms at 50 °C to 250 °C; and d) calcination of the thermally treated catalytic converter preforms at 250 °C to 600 °C. Furthermore, a catalytic converter preform with enhanced mechanical strength is created which can be produced using the method according to the invention. The present invention further relates to the use of catalytic converter preforms according to the invention for the production of amines and in solid bed reactors or fluidized-bed reactors, and to a chemical synthesis method in the presence of catalytic converter preforms according to the present invention.

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