Title (en)

<SUP2/>? <SUB2/>?X?CATALYST COMPRISING AN AFX-STRUCTURE ZEOLITE OF VERY HIGH PURITY AND AT LEAST ONE TRANSITION METAL FOR SELECTIVE REDUCTION OF NO

Title (de)

KATALYSATOR MIT EINEM ZEOLITH MIT AFX-STRUKTUR VON SEHR HOHER REINHEIT UND MINDESTENS EINEM ÜBERGANGSMETALL ZUR SELEKTIVEN REDUKTION VON NO

Title (fr)

<SUP2/>? <SUB2/>?X?CATALYSEUR COMPRENANT UNE ZEOLITHE DE TYPE STRUCTURAL AFX DE TRES HAUTE PURETE ET AU MOINS UN METAL DE TRANSITION POUR LA REDUCTION SELECTIVE DE NO

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Application

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Abstract (en)

[origin: WO2019224086A1] The invention relates to a method for preparing a catalyst containing an AFX-structure zeolite of very high purity and at least one transition metal, said method comprising at least the following steps: i) in an aqueous medium, mixing of an FAU-structure zeolite having a molar ratio SiO2 (FAU)/Al2O3 (FAU) of between 6.00 and 200 inclusive, an organic nitrogen-containing compound R, at least one source of at least one alkali and/or alkaline-earth metal M, until a homogeneous precursor gel is obtained; ii) hydrothermal treatment of said precursor gel in order to obtain a crystallized solid phase, known as the "solid" phase; iii) at least one ion exchange with a transition metal; and iv) thermal treatment. The invention also relates to the catalyst that can be obtained or obtained directly by the method and to the use thereof for the selective reduction of NOx.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2019224086A1

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