

Title (en)

COPPER CONTAINING ZSM-34, OFF AND/OR ERI ZEOLITIC MATERIAL FOR SELECTIVE REDUCTION OF NOX

Title (de)

KUPFER MIT EINEM ZSM-34-, OFF- UND/ODER ERI-ZEOLITH-MATERIAL FÜR SELEKTIVE NOX-REDUZIERUNG

Title (fr)

CUIVRE CONTENANT ZSM-34, DE L'OFFRÉTITE ET/OU DE LA MATIÈRE ZÉOLITHIQUE DE TYPE ÉRONITE UTILISÉ POUR LA RÉDUCTION SÉLECTIVE DE NOX

Publication

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Application

EP 11806375 A 20110705

Priority

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- EP 11806375 A 20110705

Abstract (en)

[origin: WO2012007874A1] The present invention relates to a copper containing ZSM-34, OFF and/or ERI zeolitic material having a silica to alumina mole ratio ranging from about 4 to about 50 and a copper content, reported as Cu O, ranging from about 1 to about 10 wt.-%, based on the total weight of the calcined zeolitic material, and having an alkali metal content, reported as the metal oxide, ranging from about 0.7 to about 1.5 wt.-%, whereas the 750°C-aged copper containing ZSM-34, OFF and/or ERI zeolitic material exhibits NO conversion at 200°C of at least about 75 % and at 450°C of at least about 90 %, measured at a gas hourly volume based space velocity of 30000 h - under steady state conditions at maximum NH₃-slip conditions in a gas mixture of 500 ppm NO, 500 ppm NH₃, 10% O₂, 5% H₂O, balance N

IPC 8 full level

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CPC (source: EP KR)

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Citation (search report)

No further relevant documents disclosed

Citation (examination)

- WO 2008132452 A2 20081106 - JOHNSON MATTHEY PLC [GB], et al
- See also references of WO 2012007874A1

Designated contracting state (EPC)

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