

Title (en)
METHODS OF PREPARATION OF METAL EXCHANGED ZEOLITES

Title (de)
VERFAHREN ZUR HERSTELLUNG VON METALLAUSGETAUSCHTEN ZEOLITHEN

Title (fr)
PROCÉDÉ DE PRÉPARATION DE ZÉOLITES ÉCHANGÉES PAR UN MÉTAL

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Application
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Abstract (en)
[origin: WO2020222105A2] Methods of preparation of metal exchanged zeolites by ion exchange of metals such as copper, iron or manganese with aluminosilicates and silicoaluminophosphates such as CHA, MFI, BEA and small pore zeolite frameworks are disclosed. The method uses a combination of a liquid reaction medium with a gaseous reaction medium wherein the metal to be exchanged is preferably in the elemental metallic form and the gaseous reaction medium comprises at least carbon dioxide. These metal exchanged zeolites are useful as catalysts for the reduction of oxides of nitrogen from gaseous streams by Selective Catalytic Reduction with ammonia or urea.

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