

Title (en)
DIRECT AMINATION OF HYDROCARBONS

Title (de)
DIREKTAMINIERUNG VON KOHLENWASSERSTOFFEN

Title (fr)
AMINATION DIRECTE D'HYDROCARBURES

Publication
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Application
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Abstract (en)
[origin: WO2006069673A1] The invention relates to a method for the production of nitrogen-containing catalysts, comprising: a) production of an oxidic species containing the following components: at least one metal, M, selected from the groups Ib to VIIb and VIII of the periodic table of the elements, whereby the same metal may be present in different oxidation states, optionally one or more promoters, P, selected from the groups Ib to VIIb and VIII of the periodic table of the elements, lanthanides and groups IIIa to VIa of the periodic table of the elements, with the exclusion of oxygen and sulphur, optionally one or more elements, R, selected from hydrogen, alkaline metals and earth alkaline metals, optionally one or more elements Q, selected from chlorides and sulphates, oxygen, whereby the molar proportion of oxygen is determined by the valency and frequency of the elements other than oxygen in the oxidic species, b) reaction of the oxidic species with an amine component selected from ammonia, primary and secondary amines and ammonium salts, whereby the ammonium-containing catalyst is produced with generation of water and nitrogen-containing catalysts produced by said method. The invention further relates to a method for amination of hydrocarbons using said nitrogen-containing catalyst and the use of an oxidic species in a direct method for amination of hydrocarbons.

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