

Title (en)

A METHOD FOR THE REGENERATION OF ZEOLITE CATALYSTS

Title (de)

VERFAHREN ZUR REGENERATION EINES ZEOLITH-KATALYSATORS

Title (fr)

PROCEDE DE REGENERATION DE CATALYSEURS ZEOLITIQUES

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Application

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Abstract (en)

[origin: WO2004080591A1] The invention relates to a method for the regeneration of zeolite catalysts, in order to maintain a high and stable activity of the catalyst. In the method, the regeneration is performed in a CFB reactor system wherein a reaction involving hydrocarbons is performed, either with an inert regeneration gas at a temperature higher than the reaction temperature, or with an inert regeneration gas containing equal or less than 10 mol-% of oxygen at a temperature higher than the reaction temperature, or with air at a temperature below 490 °C, or with water vapour at a temperature higher than the reaction temperature. The invention relates also to a method for isomerization of olefins, isomerization of paraffins, dimerization, oligomerization and alkylation of hydrocarbons in a CFB reactor system.

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