Title (en)

METHOD FOR REGENERATING PARAFFIN REFORMING OR ISOMERIZATION OR DEHYDROGENATION CATALYSTS IN A VIBRATING HELICAL SPIRE

Title (de)

REGENERIERUNG VON KATALYSATOREN ZUM REFORMIEREN ODER ZUR ISOMERISATION ODER DEHYDRIERNG VON PARAFFINEN IN EINEM SPIRALFÖRMIGEN VIBRIERENDEN SCHRAUB

Title (fr)

REGENERATION DE CATALYSEURS DE REFORMAGE OU D'ISOMERISATION OU DE DESHYDROGENATION DES PARAFFINES DANS UNE SPIRE HELICO DALE VIBRANTE

Publication

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Application

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Priority

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Abstract (en)

[origin: FR2760386A1] The invention concerns the application of a method for regenerating catalysts or adsorbents, consisting in causing the catalyst particles to rise in a vibrating helical elevator (12), said particles being subjected to a temperature profile and being contacted with one or several fluids over part of their travel in said spire, regenerating paraffin reforming, isomerization or dehydrogenation catalysts. The helical elevator can be maintained at the appropriate temperature by circulating gas at the required temperature outside and in contact with the helical elevator, The regenerator comprises at least a combustion zone (14) and at least an oxychlorination (15) or more generally a chlorination zone, which can be merged. A pre-heating zone (13), a hydrocarbon stripping zone, a calcining zone (16) and a cooling zone for the catalyst can also be included in the device.

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IPC 8 full level

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