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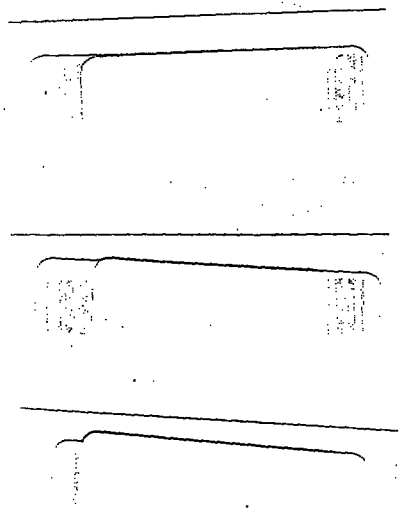
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(54) Title: CATALYST COMPRISING AT LEAST A HYDROGENATION METAL COMPONENT AND A SYNTHETIC CLAY

(57) Abstract

The invention pertains to a catalyst at least comprising a hydrogenation metal component and a swelling synthetic clay consisting of elemental clay platelets, with the average diameter of the clay platelets not exceeding 1 micron and the average degree of stacking of the clay platelets not exceeding 20 platelets per stack. The catalyst is especially suitable for the hydroprocessing of hydrocarbon feeds, the term "hydroprocessing" encompassing all processes in which a hydrocarbon feed is treated with hydrogen. The clays which are suitable for use in the catalyst according to the invention may be prepared as described in Netherlands patent application No. 9401433.

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