

Preparation of a hydrogenation catalyst

Abstract

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A hydrogenation catalyst based on an alloy of aluminum and of a transition metal is prepared by preparing a kneaded material from the alloy and an assistant, converting the kneaded material into moldings, calcining the moldings and treating the calcined mold-
10 ings with an alkali metal hydroxide, by a process in which the assistant used is

(a) polyvinyl alcohol and water or

15 (b) stearic acid,

and the catalyst prepared according to the invention is used for hydrogenation and hydrogenolysis, in particular the partial hydrogenation of aliphatic alpha,omega-dinitriles to aliphatic
20 alpha,omega-aminonitriles.

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