

Title (en)

Preparation of silica containing hydrogenation catalysts and their use in hydrogenation.

Title (de)

Herstellung von silikatischen Hydrierkatalysatoren und ihre Verwendung zur Hydrierung.

Title (fr)

Préparation de catalyseurs d'hydrogénation siliceux et leur utilisation pour l'hydrogénation.

Publication

EP 0000055 A1 19781220 (DE)

Application

EP 78100097 A 19780606

Priority

DE 2726710 A 19770614

Abstract (en)

1. A process for the production of a hydrogenation catalyst which contains copper, nickel and/or cobalt on a silica carrier, characterized in that an aqueous solution of a salt of copper, nickel and/or cobalt is mixed with an alkali metal silicate solution having a ratio of Me₂O to SiO₂ of more than 1:1 (Me denoting potassium or sodium) in such an amount that the mixture has a pH of 6 to 8 and the content of copper, nickel and/or cobalt in the finished catalyst is about 40 to 80% by weight, and, using conventional methods, the precipitate formed on mixing is isolated, moulded, dried and treated with a reducing agent.

Abstract (de)

Hydrierkatalysatoren mit Kupfer, Nickel oder Kobalt als Wirkmetallen werden durch Fällung der Metallsalzlösungen mit Alkalisilikatlösungen, die überschüssiges Alkali enthalten, und Trocknen sowie Reduzieren der erhaltenen Niederschläge gewonnen.

IPC 1-7

B01J 23/74; C01B 1/00

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [X] DE 2620554 A1 19761202 - EXXON RESEARCH ENGINEERING CO
- [A] GB 944207 A 19631211 - NORSK HYDRO ELEK SK KV AELSTOF

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DOCDB simple family (application)

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