

Title (en)  
HYDROGENATION CATALYSTS, THE PRODUCTION AND THE USE THEREOF

Title (de)  
HYDRIERKATALYSATOREN, DEREN HERSTELLUNG UND VERWENDUNG

Title (fr)  
CATALYSEURS D'HYDROGÉNATION, PRÉPARATION ET UTILISATION

Publication  
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Application  
**EP 10701552 A 20100201**

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Abstract (en)  
[origin: WO2010089265A2] The invention relates to catalysts and methods for producing the same, the catalysts being obtainable by contacting a monolithic catalyst support with a suspension which contains one or more insoluble or poorly soluble compounds of the elements selected from the group of elements including cobalt, nickel and copper. The invention further relates to the use of the catalyst of the invention in a method for the hydrogenation of organic substances, especially for the hydrogenation of nitriles and to a method for the hydrogenation of organic compounds, characterized by using a catalyst of the invention in the method.

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Citation (search report)  
See references of WO 2010089265A2

Citation (examination)  

- EP 1630155 A1 20060301 - AIR PROD & CHEM [US]
- WO 0026137 A1 20000511 - ABB LUMMUS GLOBAL INC [US]
- WO 2007019749 A1 20070222 - BYD CO LTD [CN], et al
- WO 2006079850 A1 20060803 - JOHNSON MATTHEY PLC [GB], et al

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