

Title (en)  
A CATALYST COMPOSITION AND A PROCESS FOR SELECTIVE HYDROGENATION OF METHYL ACETYLENE AND PROPADIENE

Title (de)  
KATALYSATORZUSAMMENSETZUNG UND VERFAHREN ZUR SELEKTIVEN HYDRIERUNG VON ACETYLEN UND PROPADIEN

Title (fr)  
COMPOSITION DE CATALYSEUR ET PROCÉDÉ D'HYDROGÉNATION SÉLECTIVE DE L'ACÉTYLÈNE DE MÉTHYLE ET DU PROPADIÈNE

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Application  
**EP 13765806 A 20130606**

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Abstract (en)  
[origin: WO2013186789A1] In the present invention a selective hydrogenation catalyst composition comprising (a) an inorganic oxide carrier; and (b) fine-alloy particles of an active metal and a promoter metal components dispersed on the surface of the inorganic oxide carrier is disclosed. The improved dispersion of the active component is found to be around 30 % of surface area of the carrier surface as measured by H2 Chemisorption method. The improved dispersion of fine alloy particles of the present invention is accomplished by employing an equilibrium adsorption impregnation method.

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Citation (examination)  
• LAMB R N ET AL: "Surface characterisation of Pd-Ag/Al<sup>2</sup>O<sup>3</sup> catalysts for acetylene hydrogenation using an improved XPS procedure", APPLIED CATALYSIS A: GEN, ELSEVIER, AMSTERDAM, NL, vol. 268, no. 1-2, 10 August 2004 (2004-08-10), pages 43 - 50, XP004512932, ISSN: 0926-860X, DOI: 10.1016/J.APCATA.2004.03.041  
• PRASERTHDAM P ET AL: "Effect of the pretreatment with oxygen and/or oxygen-containing compounds on the catalytic performance of Pd-Ag/Al<sup>2</sup>O<sup>3</sup> for acetylene hydrogenation", APPLIED CATALYSIS A: GENERAL, ELSEVIER, AMSTERDAM, NL, vol. 230, no. 1-2, 30 April 2002 (2002-04-30), pages 41 - 51, XP004347094, ISSN: 0926-860X, DOI: 10.1016/S0926-860X(01)00993-0  
• See also references of WO 2013186789A1

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