

Title (en)
POROUS CATALYST FOR THE HYDROGENATION OF MALEIC ANHYDRIDE TO TETRAHYDROFURAN

Title (de)
PORÖSER KATALYSATOR FÜR DIE HYDRIERUNG VON MALEINSÄUREANHYDRID ZU TETRAHYDROFURAN

Title (fr)
CATALYSEUR POREUX ADAPTE A L'HYDROGENATION D'ANHYDRIDE DE L'ACIDE MALEIQUE POUR FORMER DU TETRAHYDROFURANE

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Application
EP 01989587 A 20011207

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Abstract (en)
[origin: WO0247818A1] The invention relates to a hydrogenation catalyst, particularly suitable for the hydrogenation of maleic anhydride and derivatives thereof to give THF or derivatives thereof. Said hydrogenation catalyst comprises copper oxide and at least one further metal, or a compound thereof, from the group comprising Al, Si, Zn, La, Ce, elements of groups IIIA to VIIIA and groups IA and IIA, with a pore volume of ≥ 0.01 ml/g for pore diameters $> 50\text{nm}$ and a ratio of pore volume for macropores with a diameter $> 50\text{nm}$ to the total pore volume for pores with a diameter $> 4\text{ nm}$ of $> 10\%$.

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Citation (search report)
See references of WO 0247818A1

Citation (examination)
• US 5395990 A 19950307 - SCARLETT JOHN [GB]
• WO 0144148 A1 20010621 - KVAERNER PROCESS TECH LTD [GB], et al

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