

Title (en)

CATALYST COMPRISING PHYSICALLY AND CHEMICALLY BLOCKED ACTIVE PARTICLES ON A SUPPORT

Title (de)

KATALYSATOR MIT PHYSIKALISCH UND CHEMISCH BLOCKIERTEN AKTIVEN TEILCHEN AUF EINEM TRÄGER

Title (fr)

CATALYSEUR COMPRENANT DES PARTICULES ACTIVES BLOQUÉES PHYSIQUEMENT ET CHIMIQUEMENT SUR LE SUPPORT

Publication

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Application

EP 11817326 A 20111214

Priority

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Abstract (en)

[origin: WO2012080655A1] The invention relates to a catalyst comprising: a) a catalyst support made of a ceramic, the support comprising an arrangement of crystallites having the same size, the same isodiametric morphology and the same chemical composition or substantially the same size, the same isodiametric morphology and the same chemical composition, in which each crystallite makes point contact or almost point contact with the surrounding crystallites; and b) at least one active phase comprising metallic particles that interact chemically with said catalyst support made of a ceramic and that are mechanically anchored to said catalyst support in such a way that the coalescence and mobility of each particle are limited to a maximum volume corresponding to that of a crystallite of said catalyst support.

IPC 8 full level

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See references of WO 2012080655A1

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