

Title (en)
DEHYDROGENATION CATALYST COMPOSITE AND A PROCESS FOR THE PREPARATION THEREOF

Title (de)
DEHYDRIERUNGSKATALYSATORVERBUND UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)
COMPOSITE CATALYSEUR DE DÉSHYDROGÉNATION ET PROCÉDÉ POUR LE PRÉPARER

Publication
EP 3166913 A2 20170517 (EN)

Application
EP 15818537 A 20150707

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Abstract (en)
[origin: WO2016005896A2] The present disclosure relates to a dehydrogenation catalyst composite and a process for the preparation thereof. The catalyst composite of the present disclosure comprises at least one nano-sized Group VIII metal component, at least one group IV component, at least one group V component, at least one alkaline earth metal component, at least one alkali metal component, at least one group VI component and a support having an inner core comprising alpha alumina and an outer layer comprising a mixture of gamma alumina, delta alumina and theta alumina. The dehydrogenation catalyst composite may optionally contain a halogen component. The group V metal component is used as a promoter to improve the Group VIII metal dispersion in the dehydrogenation catalyst composite.

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Citation (search report)
See references of WO 2016005896A2

Cited by
EP3186002A4; WO2016030834A1

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