

Title (en)
CATALYST SUPPORT FOR HIGH TEMPERATURE APPLICATIONS AND CATALYSTS AND CATALYTIC PROCESSES EMPLOYING SAME

Title (de)
KATALYSATORTRÄGER FÜR HOCHTEMPERATURANWENDUNGEN UND KATALYSATOREN UND KATALYTISCHE VERFAHREN DIE DIESEN BENUTZEN

Title (fr)
SUPPORT POUR CATALYSEUR DESTINE A DES APPLICATIONS HAUTE TEMPERATURE ET CATALYSEURS ET PROCEDES CATALYTIQUES Y RECORANT

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Application
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Abstract (en)
[origin: WO9705057A1] This invention is a HfO₂-containing catalyst support material for use in high temperature catalytic processes, such as catalytic combustion, wherein the HfO₂ is present in a sufficient amount to impart thermal stability on the catalyst support at temperatures in excess of 1,000 DEG C, as well as, heterogeneous, supported-platinum group metal catalyst employing the HfO₂-containing support material and monolithic catalyst structures in which the HfO₂-containing support material is used as a substrate washcoat for the active catalyst material. Also described are high temperature catalytic processes, such as catalytic combustion, employing catalysts and catalyst structures which utilize the HfO₂-containing support material.

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