

Title (en)
VARIATION OF THE TIN IMPREGNATION OF A CATALYST FOR THE DEHYDROGENATION OF ALKANES

Title (de)
VARIATION DER ZINNIMPRÄGNIERUNG EINES KATALYSATORS ZUR ALKANDEHYDRIERUNG

Title (fr)
VARIATION DE L IMPRÉGNATION EN ÉTAIN D UN CATALYSEUR POUR LA DÉSHYDROGÉNATION D ALCANES

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Abstract (en)
[origin: WO2010069548A1] The invention relates to a catalyst for the dehydrogenation of alkanes or alkyl substituents of hydrocarbons, comprising a shaped body having at least one or more oxides from the elements of the main or secondary group II to IV of the periodic table or of an oxidic mixed compound based thereon, wherein the constituents serve as base material of the shape body. The catalyst further comprises an additional constituent having an oxide of an element of the main group IV of the periodic table that is added during the shaping process. A platinum compound and a compound made of an element of the main group IV of the periodic table is chosen as a surface constituent of the catalyst. The invention further relates to the production of the catalyst from the claimed materials by means of different process steps and to a method for the dehydrogenation of alkanes using the catalyst according to the invention.

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