

Title (en)
CATALYST FOR SELECTIVE AROMATIZATION

Title (de)
KATALYSATOR ZUR SELEKTIVEN AROMATISIERUNG

Title (fr)
CATALYSEUR POUR AROMATISATION SELECTIVE

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Application
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Abstract (en)
[origin: DE19616736A1] This invention concerns a catalyst, particularly for selective production of aromatics from a hydrocarbon stream with straight-chained, branched or cyclic alkyl or alkylene chains, of 6 to 12 carbon atoms. On an oxide of a transition metal of group IVB of the periodic table, such as TiO₂ or ZrO₂, this catalyst contains at least one element from the VIIIth secondary group, such as palladium, platinum, rhodium, rhenium or tin, and, optionally, a compound of alkali or earth alkali metals, a compound from the third major or secondary group, or zinc, or at least one compound from the sulphur, tellurium, arsenic, antimony or selenium group. The invention also concerns the use of this catalyst for producing aromatics, such as ethyl benzene or xylolene from C₆ to C₁₂-hydrocarbons.

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