

Title (en)
CATALYTIC COMPOSITIONS

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Application
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Abstract (en)
[origin: WO9117825A1] A catalytic composite comprising a combination of catalytically effective amounts of a platinum component, optionally a second metal component such as tin or rhenium, and a halogen component with a porous carrier support material is disclosed. The platinum, second metal (if present) and halogen components are present in the catalytic composite in amounts, calculated on an elemental basis, of about 0.2 to about 0.4 wt. percent platinum metal, about 0.2 to about 0.5 wt. percent the second metal, and 0.5 to about 1.5 wt. percent halogen. Moreover, the metallic components are substantially uniformly distributed throughout the porous carrier support material. The support material is spherical gamma alumina having a characteristic pore structure including "superpores" (200 - 10,000 nm or greater) interconnected with "mesopores" (5 - 20 nm) wherein 80 % or more of the pore volume (n₂) resides in pores of less than 150 Å. The principal use of the catalytic composite of the present invention is for hydrocarbon conversion, particularly in the reforming of a gasoline fraction.

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Citation (search report)

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- [X] DE 2652116 A1 19780518 - UOP INC
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- See references of WO 9117825A1

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