

Title (en)
Catalytic cracking catalyst and process.

Title (de)
Verfahren und Katalysator zum Cracken.

Title (fr)
Procédé et catalyseur de craquage.

Publication
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Application
EP 86106616 A 19860515

Priority
US 73964585 A 19850531

Abstract (en)
Catalytic cracking catalysts which contain a basic alkaline earth metal component in amounts greater than 5 percent by weight (expressed as the oxides) are used to crack hydrocarbon feedstocks that contain substantial quantities of metals such as vanadium, nickel, copper and iron. In a particularly preferred embodiment natural or synthetic particulate magnesium oxide (MgO) containing composites such as a formed particulate coprecipitated magnesia-silica cogel (MgO.SiO₂) having a substantial intra-particle pore volume in pores ranging from about 20-10,000 Å DEG in diameter and an average pore diameter greater than about 400 Å DEG in the 20-10,000 Å DEG diameter range is mixed with a zeolite containing fluid cracking catalyst (FCC) either as an integral component of the catalyst particle or as a separate additive.

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Citation (search report)

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