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The nitrogen compounds in the FCC feed deactivate the FCC catalyst activity resulting in an increase in coke and dry gas. Hydro enitrogenation reduces nitrogen compounds in FCC feeds.

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Authors: ... providing practical information and tools that engineers can use to maximize the profitability and reliability of their fluid catalytic cracking operations. The updated chapters and new content deliver expertise and know-how to an industry that faces significant cost ...

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Cracking of petroleum hydrocarbons was

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originally done by thermal cracking, which has been almost completely replaced by catalytic cracking because it produces more gasoline with a higher octane rating. It also prod

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latest technologies to improve the profitability and reliability of the FCC units, and provides several "no-to-low-cost" practical recommendations.

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also introduced in

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1942, just like TCC or

Thermafor Cat

Cracking, during the

Second World War in

an effort to make high-

octane number

gasoline.

### **Fluid Catalytic Cracking (FCC) | FSC 432: Petroleum Refining**

A gas/solid separation

system that can be

applied to any type of

FCC unit regenerators,

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consists of a device for separating solid particles contained in a gas stream coming from the regeneration zone of a fluid catalytic cracking (FCC) unit bounded by an inner envelope ( 3 ) of cylindrical shape centered about the vertical axis of the regeneration zone, and an outer envelope ( 1 ) that has one ...

**US8361202B2 -**

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fluid catalytic cracking

(FCC) of a hydrocarbon feed by

passing a mixture of

hot regenerated

catalyst and feed up

through a conventional

FCC riser reactor 104

and discharging from

the riser a mixture of

coked catalyst and

cracked product,

separating coked catalyst

from cracked

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product, stripping  
coked catalyst to  
remove strippable  
hydrocarbons and  
regenerating the ...

**Improved fluid  
catalytic cracking  
process and  
apparatus ...**

Fluidized Catalytic  
Cracking (HPCL) ...  
fractionating molecules  
using high temperature  
and pressure in the  
presence of zeolite  
catalyst in a fluid

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