

Title (en)

Process and apparatus for feed contacting with immediate catalyst separation

Title (de)

Verfahren und Apparat zum Zusammenbringen von Einsatz mit sofortiger Trennung von Katalysator

Title (fr)

Procédé et appareillage pour contacter la charge avec séparation immédiat du catalyseur

Publication

EP 1146106 B1 20051019 (EN)

Application

EP 00303093 A 20000412

Priority

EP 00303093 A 20000412

Abstract (en)

[origin: EP1146106A1] A particular arrangement of an FCC unit creates an immediate and sustained gravity separation of catalyst and hydrocarbon vapors in short contact time cracking operation. A transverse feed contactor ejects the mixture of catalyst and hydrocarbon vapors transversely into a central portion of a separation vessel for vertical disengagement of catalyst from vapors. The vapors travel upwardly in the vessel into an inertial separator that quickly segregates entrained catalyst from the hydrocarbon vapors and collects separated catalyst at a higher elevation for stripping of adsorbed hydrocarbons from the catalyst. <IMAGE>

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IPC 8 full level

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CPC (source: EP)

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