

Title (en)

Process and apparatus for the catalytic cracking of hydrocarbons, with control of the reaction temperature.

Title (de)

Verfahren und Einrichtung für das katalytische Kracken von Kohlenwasserstoffen mit Kontrolle der Reaktionstemperatur.

Title (fr)

Procédé et dispositif pour le craquage catalytique de charges d'hydrocarbures, avec contrôle de la température de réaction.

Publication

**EP 0208609 B2 19950816 (FR)**

Application

**EP 86401464 A 19860702**

Priority

FR 8510569 A 19850710

Abstract (en)

[origin: US4818372A] An apparatus for the catalytic cracking of hydrocarbon feedstocks with reaction temperature control is provided which includes an upward-flow or downward-flow cracking column, means for feeding said column under pressure with a hydrocarbon feedstock and with particles of a regenerated cracking catalyst, at least one means for injection of an auxiliary fluid downstream of the zone in said column where the hydrocarbon feedstock and the regenerated catalyst particles are contacted with each other, to reduce the temperature of the reaction zone situated directly downstream thereof, means for separating the products of the cracked feedstock and the spent catalyst particles, at least one stripping means, at least one unit for regeneration of the catalyst by combustion of the coke deposited thereon and means for recycling the regenerated catalyst to said feeding means.

IPC 1-7

**C10G 11/18**

IPC 8 full level

**C10G 11/18** (2006.01)

CPC (source: EP US)

**C10G 11/18** (2013.01 - EP US); **C10G 11/187** (2013.01 - EP US); **Y10S 208/01** (2013.01 - EP US)

Cited by

EP0465157A1; EP0444859A1; FR2655053A1; EP0311375A1; EP0323297A1; FR2625509A1; EP0444860A1; US4959334A; EP0294052A3; EP1046696A3; EP0265347A1; FR2605643A1; US5264115A; US5506365A; EP0911379A1; FR2770225A1; US6126813A; EP0465161A1

Designated contracting state (EPC)

BE CH DE FR GB IT LI LU NL

DOCDB simple family (publication)

**EP 0208609 A1 19870114**; **EP 0208609 B1 19890614**; **EP 0208609 B2 19950816**; AR 240172 A1 19900228; AU 585035 B2 19890608; AU 5988186 A 19870115; CA 1272974 A 19900821; CN 1015374 B 19920205; CN 86104812 A 19870107; DE 3663953 D1 19890720; FR 2584732 A1 19870116; FR 2584732 B1 19880819; US 4818372 A 19890404; ZA 865183 B 19870325

DOCDB simple family (application)

**EP 86401464 A 19860702**; AR 30448186 A 19860710; AU 5988186 A 19860709; CA 513414 A 19860709; CN 86104812 A 19860709; DE 3663953 T 19860702; FR 8510569 A 19850710; US 11111587 A 19871020; ZA 865183 A 19860710