

Title (en)
External, pressurized closed-cyclone apparatus for FCC unit

Title (de)
Externes geschlossenes Druck-Cyclon für FCC-Anlage

Title (fr)
Cyclone extérieur fermé, sous pression, pour unité FCC

Publication
EP 0758014 A3 19970402 (EN)

Application
EP 96112454 A 19960801

Priority
US 51287095 A 19950809

Abstract (en)
[origin: EP0758014A2] A pressurized closed-cyclone catalyst disengaging apparatus for use in an FCC unit. A closed-cyclone apparatus of the present invention independently pressurized in the absence of a disengager vessel has a line for venting stripping steam and hydrocarbon vapor from a catalyst stripping stage to a catalyst disengaging stage for rapidly disengaging catalyst particles from an FCC reaction hydrocarbon effluent.
<IMAGE>

IPC 1-7
C10G 11/18

IPC 8 full level
B04C 5/26 (2006.01); **B01J 35/10** (2006.01); **B01J 38/00** (2006.01); **B04C 9/00** (2006.01); **C10G 11/18** (2006.01); **C10G 55/06** (2006.01)

CPC (source: EP KR)
B04C 5/02 (2013.01 - KR); **B04C 9/00** (2013.01 - KR); **C10G 11/18** (2013.01 - EP)

Citation (search report)

- [X] US 3261776 A 19660719 - BAUMANN GEORGE P, et al
- [A] EP 0613935 A1 19940907 - KELLOGG M W CO [US]
- [A] US 4502947 A 19850305 - HADDAD JAMES H [US], et al
- [A] EP 0236055 A2 19870909 - ENGELHARD CORP [US]

Designated contracting state (EPC)
DE ES FR GB NL

DOCDB simple family (publication)
EP 0758014 A2 19970212; EP 0758014 A3 19970402; CA 2180686 A1 19970210; JP H09143479 A 19970603; KR 970009895 A 19970327; MX 9603320 A 19970329

DOCDB simple family (application)
EP 96112454 A 19960801; CA 2180686 A 19960708; JP 21015496 A 19960808; KR 19960032725 A 19960806; MX 9603320 A 19960809