

Title (en)

ENCLOSURE OF AN FCC UNIT COMPRISING AN INNER SUPPORT DEVICE RIGIDLY CONNECTED TO CYCLONES

Title (de)

GEHÄUSE EINER FCC-EINHEIT MIT EINER INNEREN TRAGVORRICHTUNG, DIE FEST MIT ZYKLONEN VERBUNDEN IST

Title (fr)

ENCEINTE D'UNE UNITE FCC COMPRENANT UN DISPOSITIF DE SUPPORT INTERNE SOLIDAIRE DE CYCLONES

Publication

EP 3585865 A1 20200101 (FR)

Application

EP 18706747 A 20180222

Priority

- FR 1751531 A 20170227
- EP 2018054444 W 20180222

Abstract (en)

[origin: WO2018154022A1] The invention relates to an enclosure (10) of a fluid catalytic cracking unit in which an inner space is defined by a side wall (12) having a longitudinal axis extending substantially in the direction of gravity, said enclosure being provided with a plurality of mechanical separation cyclones (14, 16) located inside the inner space. The enclosure (10) comprises a supporting device (20) attached only to the cyclones (14, 16) by: an annular peripheral support element (202) extending along the side wall (12) in a plane perpendicular to the longitudinal axis (X), separated from the side wall by a predetermined clearance; and a plurality of beams (206, 208) extending in the same plane as the peripheral support element (202), the beams being rigidly connected to the peripheral support element and to at least one mechanical separation cyclone by one end or by an attachment part distant from the ends thereof.

IPC 8 full level

C10G 11/18 (2006.01); **B01J 8/00** (2006.01)

CPC (source: EP KR US)

B01J 8/0055 (2013.01 - EP KR US); **B01J 8/1827** (2013.01 - EP US); **B01J 8/1872** (2013.01 - EP US); **B01J 8/34** (2013.01 - EP); **B04C 5/00** (2013.01 - EP); **B04C 5/24** (2013.01 - EP KR); **B04C 5/28** (2013.01 - US); **C10G 11/18** (2013.01 - US); **C10G 11/182** (2013.01 - EP KR); **B01J 2208/00761** (2013.01 - US); **B01J 2208/00991** (2013.01 - EP US); **C10G 2300/4031** (2013.01 - US); **C10G 2300/4056** (2013.01 - US); **C10G 2300/4075** (2013.01 - US)

Citation (search report)

See references of WO 2018154022A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2018154022 A1 20180830; CN 110536952 A 20191203; EP 3585865 A1 20200101; FR 3063232 A1 20180831; FR 3063232 B1 20190419; JP 2020509124 A 20200326; KR 20190124738 A 20191105; RU 2019130455 A 20210329; US 10875001 B2 20201229; US 2020001260 A1 20200102

DOCDB simple family (application)

EP 2018054444 W 20180222; CN 201880026357 A 20180222; EP 18706747 A 20180222; FR 1751531 A 20170227; JP 2019545994 A 20180222; KR 20197027237 A 20180222; RU 2019130455 A 20180222; US 201816489031 A 20180222