

Title (en)

NOVEL GAS-SOLID SEPARATOR FOR CATALYTIC CRACKING UNITS HAVING AN EXTERNAL RISER

Title (de)

NEUER GAS-FESTSTOFF-SEPARATOR FÜR KATALYTISCHE CRACKANLAGEN MIT EINEM ÄUSSEREN STEIGROHR

Title (fr)

NOUVEAU SEPARATEUR GAZ SOLIDE POUR LES UNITES DE CRAQUAGE CATALYTIQUE POSSEDANT UN RISER EXTERNE

Publication

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Application

**EP 18785404 A 20181017**

Priority

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- EP 2018078432 W 20181017

Abstract (en)

[origin: WO2019091736A1] The present invention relates to a gas-solid separation device that is specially adapted to the external risers of catalytic cracking units. The device comprises a tubing (19) forming substantially an angle of 90° with respect to a riser (2), said tubing (19) being divided into two tubes (4) forming between them an angle  $2\gamma$ ,  $\gamma$  being between 5° and 85°. This device makes it possible simultaneously to channel the stripping gases and improves the overall effectiveness of separation due to better control of contact time. The present invention also relates to a catalytic cracking method using said gas-solid separation device.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

See references of WO 2019091736A1

Designated contracting state (EPC)

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**FR 3073153 A1 20190510**; **FR 3073153 B1 20191122**; CN 111278548 A 20200612; EP 3706895 A1 20200916; JP 2021502237 A 20210128; KR 20200085808 A 20200715; RU 2020116460 A 20211208; US 2020346177 A1 20201105; WO 2019091736 A1 20190516

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