

Title (en)

NEW THREE-DIMENSIONAL STRUCTURED PACKING FOR IMPROVING THE CONTACT BETWEEN A GAS PHASE AND A DISPERSED SOLID PHASE FLOWING IN COUNTER-CURRENT

Title (de)

NEUE DREIDIMENSIONALE STRUKTURIERTE PACKUNG ZUR VERBESSERUNG DES KONTAKTES ZWISCHEN EINER GASPHASE UND EINER IM GEGENSTROM FLIESSENDEN DISPERGIERTEN FESTPHASE

Title (fr)

NOUVEAU GARNISSAGE A STRUCTURE TRIDIMENSIONNELLE POUR AMELIORER LE CONTACT ENTRE UNE PHASE GAZ ET UNE PHASE SOLIDE DISPERSEE S'ECOULANT A CONTRE COURANT

Publication

**EP 3554683 A1 20191023 (FR)**

Application

**EP 17818463 A 20171205**

Priority

- FR 1662458 A 20161214
- EP 2017081427 W 20171205

Abstract (en)

[origin: WO2018108613A1] The invention relates to three-dimensional structured packing, particularly suitable for producing a homogeneous and anisotropic mixture between a gas phase and a dispersed solid phase flowing in counter-current. The invention also relates to the use of this packing in a fluidised-bed catalytic cracking unit stripper.

IPC 8 full level

**B01J 19/32** (2006.01); **C10G 11/18** (2006.01)

CPC (source: EP RU US)

**B01J 8/34** (2013.01 - US); **B01J 19/32** (2013.01 - EP RU US); **C10G 11/18** (2013.01 - EP US); **B01J 2219/32** (2013.01 - EP); **B01J 2219/322** (2013.01 - EP); **B01J 2219/32234** (2013.01 - US); **B01J 2219/32241** (2013.01 - EP US); **B01J 2219/32268** (2013.01 - US); **B01J 2219/32272** (2013.01 - US); **B01J 2219/3306** (2013.01 - EP US); **B01J 2219/3325** (2013.01 - EP US); **B33Y 10/00** (2014.12 - US)

Citation (search report)

See references of WO 2018108613A1

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)

**FR 3059913 A1 20180615**; **FR 3059913 B1 20201211**; EP 3554683 A1 20191023; RU 2019121948 A 20210115; RU 2019121948 A3 20210309; RU 2753713 C2 20210820; SA 519401881 B1 20221201; US 11168264 B2 20211109; US 2020095507 A1 20200326; WO 2018108613 A1 20180621

DOCDB simple family (application)

**FR 1662458 A 20161214**; EP 17818463 A 20171205; EP 2017081427 W 20171205; RU 2019121948 A 20171205; SA 519401881 A 20190528; US 201716469041 A 20171205