

Title (en)

COMPACT DEVICE FOR THE COMBINED MIXING AND DISTRIBUTION OF FLUIDS FOR A CATALYTIC REACTOR

Title (de)

KOMPAKTE VORRICHTUNG ZUM KOMBINIERTEN MISCHEN UND VERTEILEN VON FLUIDEN FÜR EINEN KATALYTISCHEN REAKTOR

Title (fr)

DISPOSITIF COMPACT DE MELANGE ET DE DISTRIBUTION COMBINE DE FLUIDES POUR UN REACTEUR CATALYTIQUE

Publication

EP 3277417 A1 20180207 (FR)

Application

EP 16707400 A 20160216

Priority

- FR 1552785 A 20150401
- EP 2016053290 W 20160216

Abstract (en)

[origin: WO2016155938A1] A device for mixing and distributing fluids for a descending flow catalytic reactor, said device comprising: - a collecting area comprising at least one collecting means; - at least one substantially vertical collecting pipe suitable for receiving a reaction fluid collected by said collecting means and at least one injection means; - a mixing area; - a distribution area comprising a distribution plate supporting a plurality of ducts; characterised in that said mixing area is located at the same level as the distribution area, said mixing and distribution areas being delimited by at least one annular wall comprising at least one lateral passage section suitable for the passage of fluids from said mixing area to said distribution area.

IPC 8 full level

B01J 8/04 (2006.01)

CPC (source: CN EP US)

B01J 8/0453 (2013.01 - CN EP US); **B01J 8/0492** (2013.01 - CN EP US); **B01J 2208/00362** (2013.01 - CN EP US)

Citation (search report)

See references of WO 2016155938A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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EP 2016053290 W 20160216; CA 2979007 A 20160216; CN 201680019965 A 20160216; EP 16707400 A 20160216; FR 1552785 A 20150401; JP 2017550741 A 20160216; RU 2017134969 A 20160216; US 201615563116 A 20160216