

Title (en)

ANTI-CLOGGING DEVICE FOR THE UPFLOW OF A FLUID

Title (de)

ANTI-VERSTOPFUNGSVORRICHTUNG FÜR DIE AUFWÄRTSSTRÖMUNG EINES FLUIDS

Title (fr)

DISPOSITIF ANTI-COLMATANT POUR LA CIRCULATION ASCENDANTE D'UN FLUIDE

Publication

EP 3463639 A1 20190410 (FR)

Application

EP 17723714 A 20170519

Priority

- FR 1654862 A 20160530
- EP 2017062068 W 20170519

Abstract (en)

[origin: WO2017207294A1] The invention relates to a device (1) for the upflow of a single-phase fluid (8), comprising at least two solid particle beds (2, 3) and at least one means (5) for diverting part of the fluid (8), as well as to the use of said device.

IPC 8 full level

B01J 8/04 (2006.01); **B01J 8/00** (2006.01); **C11B 3/10** (2006.01)

CPC (source: EP US)

B01J 8/008 (2013.01 - EP US); **B01J 8/0453** (2013.01 - EP US); **B01J 8/0457** (2013.01 - EP US); **B01J 8/0492** (2013.01 - EP); **C10G 3/42** (2013.01 - US); **C10G 3/50** (2013.01 - US); **C10G 67/06** (2013.01 - US); **C11B 3/10** (2013.01 - EP US); **B01D 15/10** (2013.01 - US); **B01J 8/0492** (2013.01 - US); **B01J 2208/00884** (2013.01 - EP US); **B01J 2208/00938** (2013.01 - EP US); **C10G 2300/1011** (2013.01 - US); **Y02P 30/20** (2015.11 - EP)

Citation (search report)

See references of WO 2017207294A1

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Designated extension state (EPC)

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FR 3051682 A1 20171201; **FR 3051682 B1 20210319**; CN 109414669 A 20190301; EP 3463639 A1 20190410; US 11319505 B2 20220503; US 2020255764 A1 20200813; WO 2017207294 A1 20171207

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FR 1654862 A 20160530; CN 201780033699 A 20170519; EP 17723714 A 20170519; EP 2017062068 W 20170519; US 201716305780 A 20170519