

Title (en)

PROCESS AND DEVICE FOR DISPERSING GAS IN A LIQUID

Title (de)

VERFAHREN UND VORRICHTUNG ZUR DISPERSION VON GAS IN EINER FLÜSSIGKEIT

Title (fr)

PROCÉDÉ ET DISPOSITIF DE DISPERSION DE GAZ DANS UN LIQUIDE

Publication

EP 3113867 B1 20180103 (FR)

Application

EP 15714025 A 20150309

Priority

- FR 1451870 A 20140307
- IB 2015051705 W 20150309

Abstract (en)

[origin: WO2015132773A1] Process and device for dispersing gas in a downward flow of liquid, according to which the liquid is distributed along at least one jet (A) directed downwards, preferably along a plurality of jets; gas is distributed radially (F) towards the liquid jet or jets in order to be entrained by the liquid; and the liquid-gas mixture is channelled into a downflow vertical tube (P).

IPC 8 full level

B01F 3/04 (2006.01); **B01F 5/04** (2006.01); **B01F 5/06** (2006.01)

CPC (source: EP US)

B01F 23/231 (2022.01 - US); **B01F 23/2319** (2022.01 - US); **B01F 23/232** (2022.01 - US); **B01F 23/2323** (2022.01 - EP US); **B01F 23/23412** (2022.01 - EP US); **B01F 23/236** (2022.01 - EP US); **B01F 23/237612** (2022.01 - EP); **B01F 23/237613** (2022.01 - EP); **B01F 23/23762** (2022.01 - EP); **B01F 25/31423** (2022.01 - EP US); **B01F 25/4334** (2022.01 - EP US); **B01F 23/237611** (2022.01 - US); **B01F 23/237612** (2022.01 - US); **B01F 23/237613** (2022.01 - US); **B01F 23/23762** (2022.01 - US)

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

DOCDB simple family (publication)

WO 2015132773 A1 20150911; CA 2939691 A1 20150911; CA 2939691 C 20200804; EP 3113867 A1 20170111; EP 3113867 B1 20180103; ES 2663342 T3 20180412; FR 3018206 A1 20150911; US 10603643 B2 20200331; US 2016361692 A1 20161215

DOCDB simple family (application)

IB 2015051705 W 20150309; CA 2939691 A 20150309; EP 15714025 A 20150309; ES 15714025 T 20150309; FR 1451870 A 20140307; US 201515121491 A 20150309