

Title (en)

SATURATOR FOR INJECTING A GAS INTO A LIQUID

Title (de)

TRÄNKVORRICHTUNG ZUM EINSPRITZEN EINES GASES IN EINE FLÜSSIGKEIT

Title (fr)

SATURATEUR PERMETTANT L'INJECTION D'UN GAZ DANS UN LIQUIDE

Publication

EP 2906332 A1 20150819 (FR)

Application

EP 13789850 A 20131011

Priority

- FR 1259779 A 20121012
- FR 2013052437 W 20131011

Abstract (en)

[origin: WO2014057230A1] The present invention concerns a saturator (1) for injecting a gas into a liquid, comprising a body (2) in which a flow of liquid circulates from, upstream, at least one inlet opening (3) to at least one outlet opening (4) located downstream, said body (2) comprising at least one gas injection device (5) upstream and in the axis (7) of a central core (6) for dispersing said gas into said liquid. Said saturator (1) is characterised in that the gas injection device (5) is located at a distance from the central core (6) of between 2 and 20 mm, in order to prevent the gas from taking preferential paths between the gas injection device (5) and the central core (6).

IPC 8 full level

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

CPC (source: EP)

B01F 23/236 (2022.01); **B01F 25/3131** (2022.01); **B01F 25/31331** (2022.01); **B01F 25/4413** (2022.01); **B01F 25/44162** (2022.01); **B01F 25/4422** (2022.01)

Citation (search report)

See references of WO 2014057230A1

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)

WO 2014057230 A1 20140417; EP 2906332 A1 20150819; FR 2996781 A1 20140418; FR 2996781 B1 20200110

DOCDB simple family (application)

FR 2013052437 W 20131011; EP 13789850 A 20131011; FR 1259779 A 20121012