

Title (en)

DEVICE AND METHOD FOR GENERATING GAS BUBBLES IN A LIQUID

Title (de)

VORRICHTUNG UND VERFAHREN ZUM ERZEUGEN VON GASBLASEN IN EINER FLÜSSIGKEIT

Title (fr)

DISPOSITIF ET PROCÉDÉ DE PRODUCTION DE BULLES DE GAZ DANS UN LIQUIDE

Publication

EP 3294442 A1 20180321 (DE)

Application

EP 16725392 A 20160511

Priority

- DE 102015208694 A 20150511
- EP 2016060504 W 20160511

Abstract (en)

[origin: WO2016180853A1] The invention relates to a device (1) for generating gas bubbles in a liquid in a container, comprising at least one rotatable hollow shaft (3) arranged horizontally in at least one container; at least one gassing disc (4) arranged vertically on the at least one hollow shaft; and at least one feed line (2) for supplying at least one compressed gas to the interior of the at least one hollow shaft (3), said compressed gas being brought into the feed line and hollow shaft directly, without a liquid carrier.

IPC 8 full level

B01F 27/73 (2022.01)

CPC (source: EP US)

B01F 23/23311 (2022.01 - EP); **B01F 23/23314** (2022.01 - EP); **B01F 23/2332** (2022.01 - EP US); **B01F 27/73** (2022.01 - EP US); **B01F 27/731** (2022.01 - EP US); **B01F 23/23311** (2022.01 - US); **B01F 23/23314** (2022.01 - US)

Citation (search report)

See references of WO 2016180853A1

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 2016180853 A1 20161117; CN 107580525 A 20180112; DE 102015208694 A1 20161117; DK 3294442 T3 20200102; EP 3294442 A1 20180321; EP 3294442 B1 20191002; ES 2762929 T3 20200526; JP 2018521855 A 20180809; PL 3294442 T3 20200430; PT 3294442 T 20200115; US 10898867 B2 20210126; US 2018104659 A1 20180419

DOCDB simple family (application)

EP 2016060504 W 20160511; CN 201680027400 A 20160511; DE 102015208694 A 20150511; DK 16725392 T 20160511; EP 16725392 A 20160511; ES 16725392 T 20160511; JP 2018511337 A 20160511; PL 16725392 T 20160511; PT 16725392 T 20160511; US 201615572861 A 20160511