

Title (en)
REDUCED-PRESSURE DEGASSING DEVICE FOR A LIQUID, AND METHOD FOR OPERATING SAME

Title (de)
UNTERDRUCK-ENTGASUNGSVORRICHTUNG FÜR EINE FLÜSSIGKEIT SOWIE VERFAHREN ZU DEREN BETRIEB

Title (fr)
DISPOSITIF DE DÉGAZAGE PAR DÉPRESSION D'UN LIQUIDE ET PROCÉDÉ PERMETTANT DE FAIRE FONCTIONNER LEDIT DISPOSITIF

Publication
EP 3458172 A1 20190327 (DE)

Application
EP 17743300 A 20170718

Priority
• EP 16181943 A 20160729
• EP 2017068071 W 20170718

Abstract (en)
[origin: WO2018019649A1] A reduced-pressure degassing device (13) for a liquid, having a reduced-pressure degassing chamber (26) and a pressure reduction device (30) for generating a pressure below an operating pressure of the liquid that is to be degassed, in particular a vacuum, in the degassing chamber (26) has, according to the invention, a sensor (33), arranged in the reduced-pressure degassing chamber (26), for detecting a gas bubble fraction in the liquid that is to be degassed. The invention intelligently uses the degassing process in a reduced-pressure degassing device (13) to monitor and/or determine, using a sensor (33) integrated therein, the gas content or gas saturation state of a liquid. This results in a substantially reduced apparatus and cost burden as well as the space requirement in comparison to a monitoring and/or measuring device for the gas content that is separate from the degassing device.

IPC 8 full level
B01D 19/00 (2006.01); **G01N 29/02** (2006.01)

CPC (source: EP)
B01D 19/0036 (2013.01); **B01D 19/0063** (2013.01); **F24D 19/083** (2013.01); **G01N 29/032** (2013.01); **G01N 2291/015** (2013.01); **G01N 2291/02433** (2013.01); **G01N 2291/102** (2013.01)

Citation (search report)
See references of WO 2018019649A1

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)
EP 3275524 A1 20180131; EP 3458172 A1 20190327; WO 2018019649 A1 20180201

DOCDB simple family (application)
EP 16181943 A 20160729; EP 17743300 A 20170718; EP 2017068071 W 20170718