

Title (en)

GAS-LIQUID SEPARATOR FOR SEPARATING AT LEAST ONE LIQUID COMPONENT FROM A GASEOUS COMPONENT

Title (de)

GAS-FLÜSSIGKEITSABSCHEIDER ZUM ABSCHIEDEN VON ZUMINDEST EINEM FLÜSSIGEN BESTANDTEIL VON EINEM GASFÖRMIGEN BESTANDTEIL

Title (fr)

SÉPARATEUR GAZ-LIQUIDE SERVANT À SÉPARER AU MOINS UN CONSTITUANT LIQUIDE D'UN CONSTITUANT GAZEUX

Publication

**EP 3717822 A1 20201007 (DE)**

Application

**EP 18795473 A 20181024**

Priority

- DE 102017221309 A 20171128
- EP 2018079186 W 20181024

Abstract (en)

[origin: WO2019105661A1] The invention relates to a gas-liquid separator (2) for separating at least one liquid component, in particular H<sub>2</sub>O, from a gaseous component, in particular H<sub>2</sub>, the separator comprising at least one collecting tank (12) which is supplied with a medium, at least the liquid component of the medium being separated into the collecting tank (12), and the separated portion of the medium being discharged from the collecting tank (12) via a discharge valve (46). According to the invention, the gas-liquid separator (2) is integrated into a housing (11) of a recirculation pump (9).

IPC 8 full level

**F16T 1/12** (2006.01); **H01M 8/04119** (2016.01)

CPC (source: EP KR US)

**B01D 53/22** (2013.01 - US); **F16T 1/12** (2013.01 - EP KR); **H01M 8/04097** (2013.01 - EP KR US); **H01M 8/04119** (2013.01 - EP); **H01M 8/04156** (2013.01 - EP); **H01M 8/04164** (2013.01 - EP KR US); **H01M 8/0662** (2013.01 - EP KR US); **B01D 2053/221** (2013.01 - US); **B01D 2221/14** (2013.01 - US); **Y02E 60/50** (2013.01 - EP)

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)

**DE 102017221309 A1 20190529**; CN 111417815 A 20200714; CN 111417815 B 20231027; EP 3717822 A1 20201007; JP 2021502247 A 20210128; JP 7037650 B2 20220316; KR 20200092355 A 20200803; US 11298651 B2 20220412; US 2020328434 A1 20201015; WO 2019105661 A1 20190606

DOCDB simple family (application)

**DE 102017221309 A 20171128**; CN 201880077001 A 20181024; EP 18795473 A 20181024; EP 2018079186 W 20181024; JP 2020526363 A 20181024; KR 20207018370 A 20181024; US 201816766876 A 20181024