

Title (en)

CONTAINER AND METHOD FOR INSTALLING AN AGITATOR IN A CONTAINER

Title (de)

BEHÄLTER SOWIE VERFAHREN ZUM EINBAU EINES RÜHRWERKS IN EINEN BEHÄLTER

Title (fr)

RÉCIPIENT AINSI QUE PROCÉDÉ POUR LE MONTAGE D'UN MALAXEUR DANS UN RÉCIPIENT

Publication

**EP 3898930 A1 20211027 (DE)**

Application

**EP 19835656 A 20191220**

Priority

- DE 102018133226 A 20181220
- EP 2019086563 W 20191220

Abstract (en)

[origin: WO2020127898A1] The invention relates to a container, in particular a fermenter for fermenting biologically decomposable substances, having at least one base and at least one wall, wherein an interior (I) of the container (1) is enclosed by means of the base and the wall, wherein the container (1) has at least one agitator (2) which projects into the interior (I) and which, in an installed position (4), is held on an upper bearing and a lower bearing (15), wherein the lower bearing (15) is arranged on the base of the container (1) and a bearing device located at a lower end (13) of the shaft (6) can be supported in the lower bearing (15), wherein the shaft (6) has a longitudinal axis (9) which, in the installed position (5), encloses an angle between 5° and 60° with respect to the vertical. In order to provide an alternative container in which the agitator can be changed as simply as possible during operation, according to the invention a guide device (19) which is arranged on an upper side (18) of the container (1) and which has a contact surface (20) for at least one portion (21, 24, 25) of the shaft (6) is provided, wherein the agitator (2) can be aligned along the contact surface (20) by means of the shaft (6) and can be guided into the installed position (5).

IPC 8 full level

**C12M 1/107** (2006.01); **B01F 7/02** (2006.01); **B01F 15/00** (2006.01); **C12M 1/06** (2006.01)

CPC (source: EP US)

**B01F 27/0722** (2022.01 - EP US); **B01F 27/0726** (2022.01 - EP US); **B01F 27/1125** (2022.01 - US); **B01F 27/191** (2022.01 - EP US); **B01F 27/61** (2022.01 - EP US); **B01F 27/70** (2022.01 - US); **B01F 27/906** (2022.01 - EP); **B01F 35/10** (2022.01 - EP US); **B01F 35/4121** (2022.01 - EP US); **C12M 21/04** (2013.01 - EP US); **C12M 27/06** (2013.01 - EP US); **B01F 2215/0422** (2013.01 - US); **Y02W 30/40** (2015.05 - EP)

Citation (search report)

See references of WO 2020127898A1

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 2020127898 A1 20200625**; CN 113383067 A 20210910; DE 102018133226 A1 20200625; EP 3898930 A1 20211027; US 2021370247 A1 20211202

DOCDB simple family (application)

**EP 2019086563 W 20191220**; CN 201980091054 A 20191220; DE 102018133226 A 20181220; EP 19835656 A 20191220; US 202117352310 A 20210620