

Title (en)

BREWING SYSTEM, BIOREACTOR PROVIDED WITH SUCH A SYSTEM AND IMPLEMENTATION METHOD THEREOF

Title (de)

BRÜHSYSTEM, BIOREAKTOR MIT SOLCH EINEM SYSTEM UND IMPLEMENTIERUNGSVERFAHREN DAFÜR

Title (fr)

SYSTÈME DE BRASSAGE, BIORÉACTEUR ÉQUIPÉ D'UN TEL SYSTÈME ET SON PROCÉDÉ DE MISE EN OEUVRE

Publication

EP 4182433 A1 20230524 (FR)

Application

EP 21751867 A 20210713

Priority

- FR 2007481 A 20200716
- IB 2021056283 W 20210713

Abstract (en)

[origin: WO2022013729A1] Said brewing system is intended to be fitted to a bioreactor which can be used in particular in milk and cheese factories, fermented dough production units, breweries, wine-making units or even low-temperature fermentation units in an aerobic or anaerobic environment, in particular lacto-fermentation units for the purpose of preserving vegetables, wastewater treatment stations, fish farming ponds with or without temperature control. According to the invention, said brewing system comprises: - at least one flexible and sealed brewing chamber (2, 3), - means (4) for receiving a fluid referred to as the filling fluid, - means (5, 51, 70, 71) for transferring the filling fluid between the brewing chambers (2, 3), and means (4) for receiving the filling fluid as well as varying the volume of the filling fluid admitted into each brewing chamber.

IPC 8 full level

C12M 1/107 (2006.01); **C12M 1/00** (2006.01); **C12M 1/02** (2006.01); **C12M 1/34** (2006.01)

CPC (source: EP US)

B01F 31/312 (2022.01 - EP); **C12M 21/04** (2013.01 - EP); **C12M 23/26** (2013.01 - EP US); **C12M 23/58** (2013.01 - EP US); **C12M 27/00** (2013.01 - EP); **C12M 33/04** (2013.01 - US); **C12M 41/12** (2013.01 - EP); **C12M 41/18** (2013.01 - US); **C12M 41/44** (2013.01 - EP US); **Y02E 50/30** (2013.01 - EP); **Y02W 10/37** (2015.05 - EP)

Citation (search report)

See references of WO 2022013729A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

FR 3112556 A1 20220121; **FR 3112556 B1 20240329**; CN 116075585 A 20230505; EP 4182433 A1 20230524; US 2023272322 A1 20230831; WO 2022013729 A1 20220120; ZA 202300969 B 20240530

DOCDB simple family (application)

FR 2007481 A 20200716; CN 202180056002 A 20210713; EP 21751867 A 20210713; IB 2021056283 W 20210713; US 202118005602 A 20210713; ZA 202300969 A 20230123