

Title (en)

MULTI SENSOR FOR A BIOREACTOR, BIOREACTOR, METHOD FOR PRODUCING A MULTI SENSOR, AND FOR MEASURING PARAMETERS

Title (de)

MULTISENSOR FÜR EINEN BIOREAKTOR, BIOREAKTOR, VERFAHREN ZUR HERSTELLUNG EINES MULTISENSORS UND ZUR MESSUNG VON PARAMETERN

Title (fr)

MULTICAPTEUR POUR UN BIORÉACTEUR, BIORÉACTEUR, PROCÉDÉ DE FABRICATION D'UN MULTICAPTEUR ET DE MESURE DE PARAMÈTRES

Publication

**EP 3740558 A1 20201125 (DE)**

Application

**EP 18825669 A 20181218**

Priority

- EP 18152153 A 20180117
- EP 2018085573 W 20181218

Abstract (en)

[origin: WO2019141466A1] The invention relates to a multi sensor for a bioreactor for use in cell culture and/or microbiology, a bioreactor for use in cell culture and/or microbiology, a method for producing a multi sensor, and a method for measuring parameters in a bioreactor for use in cell culture and/or microbiology. The multi sensor comprises at least three measurement assemblies which are designed to measure at least three parameters, wherein a first of the three measurement assemblies is designed to carry out an impedance measurement and/or a capacitive measurement, and wherein the first measurement assembly has at least two electrodes which comprise or consist of an electrically conductive plastic.

IPC 8 full level

**C12M 1/00** (2006.01); **C12M 1/21** (2006.01); **C12M 1/34** (2006.01)

CPC (source: EP US)

**C12M 23/28** (2013.01 - EP US); **C12M 41/02** (2013.01 - EP US); **C12M 41/12** (2013.01 - EP US); **C12M 41/26** (2013.01 - EP US);  
**C12M 41/28** (2013.01 - EP US); **C12M 41/30** (2013.01 - EP US); **C12M 41/44** (2013.01 - EP US)

Citation (search report)

See references of WO 2019141466A1

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 3514223 A1 20190724**; CN 111601875 A 20200828; EP 3740558 A1 20201125; JP 2021510526 A 20210430; US 2020347338 A1 20201105;  
WO 2019141466 A1 20190725

DOCDB simple family (application)

**EP 18152153 A 20180117**; CN 201880086594 A 20181218; EP 18825669 A 20181218; EP 2018085573 W 20181218;  
JP 2020539235 A 20181218; US 201816960928 A 20181218