

Title (en)

CELL CULTURE BAG, BIOREACTOR AND CELL FILTRATION DEVICE

Title (de)

ZELLKULTURBEUTEL, BIOREAKTOR UND ZELLFILTRATIONSVORRICHTUNG

Title (fr)

POCHE DE CULTURE CELLULAIRE, BIORÉACTEUR ET DISPOSITIF DE FILTRATION CELLULAIRE

Publication

EP 4225885 A1 20230816 (EN)

Application

EP 21794241 A 20211005

Priority

- EP 20200142 A 20201005
- NL 2021050603 W 20211005

Abstract (en)

[origin: WO2022075842A1] A cell culture bag for cultivating cells under rocking conditions in a bioreactor system comprises a deformable flexible wall defining an expandable cell culture chamber for containing the cells in a cell culture medium. A filter is arranged inside the culture chamber dividing the culture chamber in a chamber top compartment for containing cell-free culture medium and a chamber bottom compartment for maintaining the cells. The filter comprises a membrane with a pore size configured to allow exchange of nutrients and gasses between the chamber bottom compartment and chamber top compartment while retaining cells in the chamber bottom compartment. The filter is connected to the deformable flexible wall of the cell culture bag via a filter support frame that is configured and arranged to support the filter and mitigate forces acting on the filter when filling and/or expanding and/or rocking the bag.

IPC 8 full level

C12M 1/00 (2006.01); **C12M 1/04** (2006.01); **C12M 3/06** (2006.01)

CPC (source: EP)

C12M 23/14 (2013.01); **C12M 23/24** (2013.01); **C12M 23/34** (2013.01); **C12M 27/16** (2013.01); **C12M 29/04** (2013.01)

Citation (search report)

See references of WO 2022075842A1

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BA ME

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