

Title (en)
CELL CULTURE SYSTEM.

Title (de)
ZELLZUCHTSYSTEM.

Title (fr)
SYSTEME DE CULTURE CELLULAIRE.

Publication
EP 0471747 A1 19920226 (EN)

Application
EP 90907601 A 19900504

Priority
US 34762789 A 19890505

Abstract (en)
[origin: WO9013639A1] A cell culture apparatus (10) is provided which permits perfusion of medium into a cell culture chamber (12) and continuous harvest of a product wherein gases entrapped in the medium supply (18) or in the cell culture chamber (12) are eliminated from the system (10).

Abstract (fr)
Appareil (10) de culture cellulaire laissant passer un milieu par perfusion dans une chambre de culture cellulaire (12) pour produire des cellules en continu. Grâce à ce système (10), il n'y a plus de gaz pris dans le milieu (18) ou dans la chambre de culture cellulaire (12).

IPC 1-7
C12M 3/00; C12N 5/00

IPC 8 full level
C12M 3/00 (2006.01); **C12M 3/06** (2006.01); **C12N 5/02** (2006.01); **C12N 5/07** (2010.01); **C12N 5/071** (2010.01)

CPC (source: EP KR)
C12M 3/00 (2013.01 - KR); **C12M 25/14** (2013.01 - EP); **C12M 29/04** (2013.01 - EP); **C12M 29/10** (2013.01 - EP); **C12N 5/06** (2013.01 - KR)

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB IT LI LU NL SE

DOCDB simple family (publication)
WO 9013639 A1 19901115; AU 5639490 A 19901129; CA 2054210 A1 19901106; EP 0471747 A1 19920226; EP 0471747 A4 19920603; JP H04506149 A 19921029; KR 920701420 A 19920811

DOCDB simple family (application)
US 9002490 W 19900504; AU 5639490 A 19900504; CA 2054210 A 19900504; EP 90907601 A 19900504; JP 50757790 A 19900504; KR 910701530 A 19911105