

Title (en)

CULTURE MEDIA ADDITIVES FOR BIOREACTORS

Title (de)

ZUSÄTZE ZU DEN KULTURMEDIEN FÜR BIOREAKTOREN

Title (fr)

ADDITIFS POUR DES MILIEUX DE CULTURE DESTINES A DES BIOREACTEURS

Publication

EP 0711339 A1 19960515 (EN)

Application

EP 94922694 A 19940726

Priority

- US 9408295 W 19940726
- US 9403613 W 19940401

Abstract (en)

[origin: WO9527041A1] A hollow fiber bioreactor culture medium which contains a stabilized hemoglobin or a perfluorochemical emulsion is described. The culture medium mediates oxygen demand and utilization. Efficiency of the bioreactor is enhanced so that novel hollow fiber and stirred tank cell culture system configurations, equipment and methods are enabled.

IPC 1-7

C12N 5/00; **C12M 3/00**; **G01N 21/00**; **G01N 27/26**

IPC 8 full level

C12M 3/00 (2006.01); **C12N 5/00** (2006.01); **C12N 5/02** (2006.01); **C12N 5/07** (2010.01); **C12N 5/071** (2010.01)

IPC 8 main group level

C12N (2006.01)

CPC (source: EP)

C12N 5/0018 (2013.01); **C12N 2500/24** (2013.01); **C12N 2501/999** (2013.01)

Citation (search report)

See references of WO 9527041A1

Designated contracting state (EPC)

CH DE FR GB IT LI NL

DOCDB simple family (publication)

WO 9527041 A1 19951012; AU 6766994 A 19951023; AU 7371394 A 19951023; CA 2163618 A1 19951012; EP 0711339 A1 19960515; JP H08511173 A 19961126; NO 954854 D0 19951129; NO 954854 L 19951129; WO 9527040 A1 19951012

DOCDB simple family (application)

US 9408295 W 19940726; AU 6766994 A 19940401; AU 7371394 A 19940726; CA 2163618 A 19940726; EP 94922694 A 19940726; JP 52564595 A 19940726; NO 954854 A 19951129; US 9403613 W 19940401