

Title (en)  
METHOD AND DEVICE FOR CULTURING LIVE CELLS BY COUPLING A BIOREACTOR RECEIVER WITH A SELECTION AUTOMATION

Title (de)  
VERFAHREN UND VORRICHTUNG ZUR KULTIVIERUNG VON LEBENDEN ZELLEN DURCH KOPPLUNG EINES BIOREAKTOREMPFÄNGERS MIT EINEM SELEKTIONSAUTOMATEN

Title (fr)  
PROCEDE ET DISPOSITIF DE CULTURE DE CELLULES VIVANTES PAR COUPLAGE D UN RECIPIENT BIOREACTEUR AVEC UN AUTOMATE DE SELECTION

Publication  
**EP 1670724 A2 20060621 (FR)**

Application  
**EP 04787489 A 20040930**

Priority  
• FR 2004002476 W 20040930  
• FR 0311502 A 20031001

Abstract (en)  
[origin: US2007117085A1] The invention relates to a method for continuously, semi-continuously or discontinuously treating a substrate ( 24 ) consisting in placing said substrate in a bioreactor receiver ( 1 ) and in exposing it to the action of a living cell culture (C 1 ) which makes it possible to carry out a reaction (R 1 ) on the substrate ( 24 ) and to which a medium is periodically inoculated with the aid of living cells (C 2 ) improving said reaction. Said living cells (C 2 ) are obtainable by selection from a population of dynamic living cells carried out by an automatic selection device ( 2 ) which is supplied by the same substrate ( 24 ) as the bioreactor receiver ( 1 ) and is originally inoculated with the living cells (C 1 ) contained in the bioreactor receiver ( 1 ) tank and an operating device.

IPC 1-7  
**C02F 3/34**

IPC 8 full level  
**C02F 3/34** (2006.01); **C12M 1/12** (2006.01); **C02F 3/00** (2006.01)

CPC (source: EP US)  
**C02F 3/348** (2013.01 - EP US); **C12M 23/58** (2013.01 - EP US); **C12M 29/18** (2013.01 - EP US); **C12M 33/22** (2013.01 - EP US); **C12M 37/00** (2013.01 - EP US); **C02F 3/00** (2013.01 - EP US); **C02F 2101/306** (2013.01 - EP US); **C02F 2101/34** (2013.01 - EP US); **C02F 2101/363** (2013.01 - EP US); **C02F 2101/366** (2013.01 - EP US); **Y02E 50/30** (2013.01 - EP US)

Citation (search report)  
See references of WO 2005033262A2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**US 2007117085 A1 20070524**; AU 2004278531 A1 20050414; CA 2539478 A1 20050414; EP 1670724 A2 20060621; FR 2860510 A1 20050408; FR 2860510 B1 20061208; IL 174578 A0 20060820; JP 2007507218 A 20070329; MX PA06003570 A 20060605; SG 149073 A1 20090129; WO 2005033262 A2 20050414; WO 2005033262 A3 20050630

DOCDB simple family (application)  
**US 57419704 A 20040930**; AU 2004278531 A 20040930; CA 2539478 A 20040930; EP 04787489 A 20040930; FR 0311502 A 20031001; FR 2004002476 W 20040930; IL 17457806 A 20060327; JP 2006530407 A 20040930; MX PA06003570 A 20040930; SG 2008096547 A 20040930