

Title (en)

CLARIFICATION PROCESS AT HIGHER CELL DENSITY

Title (de)

KLÄRUNGSVERFAHREN BEI HÖHERER ZELLDICHTE

Title (fr)

PROCÉDÉ DE CLARIFICATION À UNE DENSITÉ DE CELLULES SUPÉRIEURE

Publication

EP 2346891 A1 20110727 (EN)

Application

EP 09820285 A 20091016

Priority

- EP 2009063565 W 20091016
- US 10632008 P 20081017
- EP 08167506 A 20081024
- EP 09820285 A 20091016

Abstract (en)

[origin: WO2010043700A1] The present invention relates to a method for the clarification of a cell broth containing mammalian cells as well as secreted desired biological substances having an overall positive charge in the cell broth wherein the cells are present at a high cell density by contacting the cell broth with anion exchange material, allowing an adequate incubation time to allow formation of a cell pellet and a supernatant layer, and separating the resulting cell pellet from the supernatant layer. The present invention further relates to a method for the recovery of secreted desired biological substances from a cell broth containing mammalian cells at a high cell density producing the secreted desired biological substance having an overall positive charge in the cell broth by performing the steps above, followed by extracting secreted desired biological substances from the supernatant layer.

IPC 8 full level

C07K 1/18 (2006.01); **C12N 5/00** (2006.01)

CPC (source: EP KR)

C07K 1/18 (2013.01 - EP KR); **C12P 21/00** (2013.01 - KR); **C12Q 1/02** (2013.01 - KR); **C12Q 1/24** (2013.01 - KR)

Citation (search report)

See references of WO 2010043700A1

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

WO 2010043700 A1 20100422; AU 2009305343 A1 20100422; CA 2739501 A1 20100422; CN 102186875 A 20110914; EP 2346891 A1 20110727; JP 2012505863 A 20120308; KR 20110085980 A 20110727

DOCDB simple family (application)

EP 2009063565 W 20091016; AU 2009305343 A 20091016; CA 2739501 A 20091016; CN 200980140507 A 20091016; EP 09820285 A 20091016; JP 2011531501 A 20091016; KR 20117008313 A 20091016