

Title (en)
METHOD FOR CONTROLLING pH, OSMOLALITY AND DISSOLVED CARBON DIOXIDE LEVELS IN A MAMMALIAN CELL CULTURE PROCESS TO ENHANCE CELL VIABILITY AND BIOLOGIC PRODUCT YIELD

Title (de)
VERFAHREN ZUR REGELUNG VON PH-WERT, OSMOLALITÄT UND GELÖSTEM KOHLENDIOXIDPEGEL BEI EINEM SÄUGERZELLKULTIVIERUNGSVERFAHREN ZUR VERBESSERUNG DER ZELLELEBENSFÄHIGKEIT UND DES BIOLOGISCHEN PRODUKTERTRAGS

Title (fr)
PROCÉDÉ DE COMMANDE DE PH, D'OSMOLALITÉ ET DE NIVEAU DE DIOXYDE DE CARBONE DISSOUS DANS UN PROCESSUS DE CULTURE CELLULAIRE DE MAMMIFÈRE POUR AMÉLIORER UNE VIABILITÉ DE CELLULES ET UN RENDEMENT DE PRODUIT BIOLOGIQUE

Publication
EP 2310493 A1 20110420 (EN)

Application
EP 09791207 A 20090806

Priority

- US 2009052912 W 20090806
- US 8668508 P 20080806

Abstract (en)
[origin: WO2010017338A1] Methods for controlling the level of dissolved carbon dioxide and limiting osmolality in a mammalian cell culture process to enhance cell growth, viability and density, and increase biologic product concentration and yield are provided. Such control of the level of dissolved carbon dioxide and pH as well as the resulting ability to limit osmolality in a mammalian cell culture process is achieved by adopting alternative pH control strategies and CO₂ stripping techniques during a mammalian cell culture process. Such pH control techniques and carbon dioxide stripping occur with little or no damage to the mammalian cells.

IPC 8 full level
C12N 5/07 (2010.01)

CPC (source: EP)
C12N 5/0018 (2013.01); **C12N 2500/60** (2013.01)

Citation (search report)
See references of WO 2010017338A1

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