

Title (en)

METHODS FOR ENHANCING THE PRODUCTION OF CYTOKINES IN CELL CULTUR E

Title (de)

METHODE ZUR ERHÖHUNG DER PRODUKTION VON ZYTOKINEN IN ZELLKULTUR

Title (fr)

PROCEDES VISANT A AUGMENTER LA PRODUCTION DE CYTOKINES DANS UNE CULTURE CELLULAIRE

Publication

**EP 1255848 A2 20021113 (EN)**

Application

**EP 00951042 A 20000614**

Priority

- US 0040199 W 20000614
- US 13931399 P 19990615

Abstract (en)

[origin: WO0077236A2] The present invention is directed to methods for enhancing the production of cytokines in mammalian cell culture by modifying the level of a cytokine regulatory factor in the cells, resulting in enhanced levels of cytokine production. The invention is further directed to cell lines which exhibit enhanced cytokine regulatory factor expression and enhanced cytokine expression.

IPC 1-7

**C12P 21/00**

IPC 8 full level

**C12N 15/09** (2006.01); **C12N 5/10** (2006.01); **C12N 15/54** (2006.01); **C12N 15/67** (2006.01); **C12P 21/02** (2006.01)

CPC (source: EP)

**C12N 15/67** (2013.01); **C12P 21/02** (2013.01)

Citation (search report)

See references of WO 0077236A2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 0077236 A2 20001221**; **WO 0077236 A3 20020912**; AU 6403700 A 20010102; CA 2376487 A1 20001221; CN 1399681 A 20030226; EP 1255848 A2 20021113; HK 1048650 A1 20030411; JP 2003509012 A 20030311

DOCDB simple family (application)

**US 0040199 W 20000614**; AU 6403700 A 20000614; CA 2376487 A 20000614; CN 00809023 A 20000614; EP 00951042 A 20000614; HK 03100710 A 20030128; JP 2001503677 A 20000614