

Title (en)
PEF-TS EXPRESSION UNITS COMPRISING CORYNEBACTERIUM GLUTAMICUM

Title (de)
PEF-TS-EXPRESSIONSEINHEITEN BEI CORYNEBACTERIUM GLUTAMICUM

Title (fr)
UNITES D'EXPRESSION PEF-TS COMPRENANT CORYNEBACTERIUM GLUTAMICUM

Publication
EP 1771574 A2 20070411 (DE)

Application
EP 05759718 A 20050716

Priority
• EP 2005007752 W 20050716
• DE 102004035065 A 20040720

Abstract (en)
[origin: EP1942198A2] A specific nucleic acid (I) with promoter activity is used for transcribing genes, where (I) is: (a) a sequence (1) of 178 nucleotides (reproduced); (b) a derivative of (1) with $\geq 90\%$ identity, formed by substitution, insertion or deletion; (c) a sequence that hybridizes to (1) under stringent conditions; or (d) a functional fragment of (a)-(c). Independent claims are also included for: (1) use of an expression unit (EU), containing and linked to a nucleic acid (NA) that ensures translation of RNA, for expressing genes; (2) (I), except sequence (1) itself, as new compounds and EU containing it; (3) method for altering (or causing) the transcription (or expression) rate of genes in microorganisms relative to the wild type; (4) expression cassette (EC) comprising EU, at least one other functionally linked NA to be expressed and optionally other genetic control elements that are heterologous with respect to EU; (5) expression vector containing EC; (6) genetically modified microorganism (GMM) in which the transcription rate of at least one gene is altered (or caused) relative to the wild type; (7) GMM containing EU and a functionally linked gene to be expressed, where this is heterologous with respect to EU; (8) preparation of biosynthetic products (A) by culturing the GMM of (6) or (7); (9) use of the sequence aggagga (21) as ribosome-binding site in expression units for expressing genes in Corynebacterium or Brevibacterium; (10) use of the sequences ttaatt (19) or taagct (20) as -10 regions in EU for expressing genes in Corynebacterium or Brevibacterium; and (11) EU that contain (21) or at least one of (19) or (20).

IPC 8 full level
C12Q 1/68 (2006.01)

CPC (source: EP KR US)
C07K 14/34 (2013.01 - EP KR US); **C12N 15/63** (2013.01 - EP US); **C12N 15/77** (2013.01 - EP KR US); **C12P 13/04** (2013.01 - EP KR US); **C12Q 1/6876** (2013.01 - KR)

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

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
DE 102004035065 A1 20060216; AT E531819 T1 20111115; BR PI0513227 A 20080429; CN 101230350 A 20080730; CN 1989256 A 20070627; EP 1771574 A2 20070411; EP 1942198 A2 20080709; EP 1942198 A3 20081001; EP 1942198 B1 20111102; ES 2376035 T3 20120308; JP 2008212156 A 20080918; JP 2008506400 A 20080306; JP 5710096 B2 20150430; KR 20070032076 A 20070320; PL 1942198 T3 20120430; US 2007269871 A1 20071122; US 2008176295 A1 20080724; US 2014242704 A1 20140828; US 8735159 B2 20140527; WO 2006008097 A2 20060126; WO 2006008097 A3 20061005

DOCDB simple family (application)
DE 102004035065 A 20040720; AT 07123761 T 20050716; BR PI0513227 A 20050716; CN 200580024140 A 20050716; CN 200710301187 A 20050716; EP 05759718 A 20050716; EP 07123761 A 20050716; EP 2005007752 W 20050716; ES 07123761 T 20050716; JP 2007521865 A 20050716; JP 2008095810 A 20080402; KR 20077003895 A 20070216; PL 07123761 T 20050716; US 201414272781 A 20140508; US 5014608 A 20080317; US 63274005 A 20050716