

Title (en)

GENES CODING FOR REGULATORY PROTEINS

Title (de)

GENE DIE FÜR REGULATORISCHE PROTEINE CODIEREN

Title (fr)

GENES CODANT DES PROTEINES DE REGULATION

Publication

EP 1444257 A2 20040811 (DE)

Application

EP 02783044 A 20021031

Priority

- DE 10154245 A 20011105
- EP 0212139 W 20021031

Abstract (en)

[origin: WO03040181A2] The invention relates to novel nucleic acid molecules, the use thereof in the construction of bio-engineered improved microorganisms and methods for the production of fine chemicals, especially amino acids with the aid of said bio-engineered improved microorganisms.

IPC 1-7

C07K 14/34; C12N 15/31

IPC 8 full level

C07H 21/04 (2006.01); **C07K 14/34** (2006.01); **C12N 1/21** (2006.01); **C12N 9/12** (2006.01); **C12N 9/16** (2006.01); **C12N 9/90** (2006.01); **C12N 15/31** (2006.01); **C12P 13/08** (2006.01); **C12R 1/15** (2006.01)

CPC (source: EP KR US)

C07H 21/04 (2013.01 - EP US); **C07K 14/34** (2013.01 - EP US); **C12N 1/205** (2021.05 - EP US); **C12N 9/1223** (2013.01 - EP US); **C12N 9/16** (2013.01 - EP US); **C12N 9/90** (2013.01 - EP US); **C12N 15/11** (2013.01 - KR); **C12P 13/08** (2013.01 - EP US); **C12R 2001/15** (2021.05 - EP US)

Citation (search report)

See references of WO 03040181A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

WO 03040181 A2 20030515; WO 03040181 A3 20031224; AU 2002346805 A1 20030519; BR 0213775 A 20041109; CN 1596267 A 20050316; DE 10154245 A1 20030605; EP 1444257 A2 20040811; KR 100861747 B1 20081029; KR 20050042250 A 20050506; US 2005014234 A1 20050120; ZA 200404417 B 20060531

DOCDB simple family (application)

EP 0212139 W 20021031; AU 2002346805 A 20021031; BR 0213775 A 20021031; CN 02823584 A 20021031; DE 10154245 A 20011105; EP 02783044 A 20021031; KR 20047006801 A 20040504; US 49506604 A 20040429; ZA 200404417 A 20040604