

Title (en)

M. PARATUBERCULOSIS PROMOTER AND USE THEREOF IN IMMUNOGENIC SEQUENCE EXPRESSION.

Title (de)

PROMOTER AUS M PARATUBERCULOSE UND SEINE NUTZUNG FÜR DIE EXPRESSION IMMUNOGENER SEQUENZEN.

Title (fr)

PROMOTEUR DE M. PARATUBERCULOSIS ET SON UTILISATION POUR L'EXPRESSION DE SEQUENCES IMMUNOGENES.

Publication

EP 0666917 A1 19950816 (FR)

Application

EP 92922721 A 19921023

Priority

- EP 9202431 W 19921023
- FR 9113227 A 19911025

Abstract (en)

[origin: FR2682967A1] A nucleotide sequence of M. paratuberculosis (Mptb) including a DNA sequence which includes a) the 716 pb nucleotide sequence (P &cir& _s &cir& _t &cir& _l/B &cir& _a &cir& _m &cir& _Hl), or a part thereof; and b) a sequence which hybridizes with the complementary sequence of sequence a); and used for nucleic acid sequence expression in a cell host.

IPC 1-7

C12N 15/31; **C12N 15/70**; **C12N 15/74**; **C12N 15/75**; **C12N 1/21**; **A61K 39/21**; **A61K 39/04**

IPC 8 full level

C12N 15/09 (2006.01); **A61K 39/00** (2006.01); **A61P 37/02** (2006.01); **C07K 14/16** (2006.01); **C07K 14/35** (2006.01); **C12N 1/21** (2006.01); **C12N 15/31** (2006.01); **C12N 15/70** (2006.01); **C12N 15/74** (2006.01); **C12N 15/75** (2006.01); **C12N 15/76** (2006.01); **C12R 1/19** (2006.01)

CPC (source: EP US)

A61P 37/02 (2018.01 - EP); **C07K 14/005** (2013.01 - EP US); **C07K 14/35** (2013.01 - EP US); **C12N 15/70** (2013.01 - EP US); **C12N 15/74** (2013.01 - EP US); **C12N 15/75** (2013.01 - EP US); **C12N 15/76** (2013.01 - EP US); **A61K 39/00** (2013.01 - EP US); **C12N 2740/16122** (2013.01 - EP US)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

FR 2682967 A1 19930430; **FR 2682967 B1 19940114**; EP 0666917 A1 19950816; JP H07504082 A 19950511; NZ 244901 A 19950726; US 5968815 A 19991019; WO 9308284 A1 19930429

DOCDB simple family (application)

FR 9113227 A 19911025; EP 9202431 W 19921023; EP 92922721 A 19921023; JP 50745893 A 19921023; NZ 24490192 A 19921027; US 21171894 A 19941006