

Title (en)

VACCINE AGAINST LIPOPOLYSACCHARIDE CORE

Title (de)

IMPFSTOFF GEGEN DEN KERN VON LIPOPOLYSACCHARIDEN

Title (fr)

VACCIN DIRIGE CONTRE LES NOYAUX DE LIPOPOLYSACCHARIDES

Publication

EP 1011440 A1 20000628 (EN)

Application

EP 98922339 A 19980515

Priority

- US 9809988 W 19980515
- US 4668097 P 19970516

Abstract (en)

[origin: WO9851217A1] Complete core LPS (lacking O-polysaccharide side chains) from Gram-negative bacteria are incorporated into a vaccine typically in liposomes. The complete core of E. coli K 12 is particularly useful. Upon administration to a mammal the vaccine stimulates synthesis of antibodies which are cross-protective against smooth and rough forms of LPS from at least two different Gram-negative bacterial strains having different core structures.

IPC 1-7

A61B 5/055; **A61K 39/02**; **A61K 39/40**; **A61K 39/108**; **A61K 39/112**; **A61K 51/00**; **C07K 16/00**

IPC 8 full level

A61K 9/127 (2006.01); **A61K 39/02** (2006.01); **A61K 39/102** (2006.01); **A61K 39/108** (2006.01); **A61K 39/112** (2006.01); **A61K 39/295** (2006.01); **A61K 39/39** (2006.01); **A61K 47/02** (2006.01); **A61P 39/02** (2006.01)

CPC (source: EP)

A61K 39/0275 (2013.01); **A61P 39/02** (2017.12); **A61K 2039/55555** (2013.01); **Y02A 50/30** (2017.12)

Designated contracting state (EPC)

BE CH DE DK ES FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)

WO 9851217 A1 19981119; AU 7491298 A 19981208; CA 2289760 A1 19981119; EP 1011440 A1 20000628; EP 1011440 A4 20030806; JP 2001527562 A 20011225

DOCDB simple family (application)

US 9809988 W 19980515; AU 7491298 A 19980515; CA 2289760 A 19980515; EP 98922339 A 19980515; JP 54958998 A 19980515