

Title (en)

TREPONEMA HYODYSENTERIAE ANTIGENS HAVING A MOLECULAR WEIGHT OF 39KDA AND DNA ENCODING THEREFOR

Publication

EP 0491859 A4 19921007 (EN)

Application

EP 90914865 A 19900911

Priority

US 40653589 A 19890913

Abstract (en)

[origin: WO9104036A1] A family of T. hyodysenteriae 39 kDa antigens are produced by recombinant techniques. Seven different genes and antigens have been identified. Such antigens may be used in a vaccine.

IPC 1-7

A61K 37/00; **A61K 35/14**; **C07H 15/12**; **C07H 17/00**; **C07K 3/00**; **C07K 15/00**; **C07K 17/00**; **C12N 1/00**; **C12N 15/00**

IPC 8 full level

A61K 39/112 (2006.01); **C07K 14/005** (2006.01); **C07K 14/195** (2006.01); **C07K 14/20** (2006.01); **C07K 14/41** (2006.01); **C07K 16/00** (2006.01); **C07K 16/12** (2006.01); **C12N 15/09** (2006.01); **C12P 21/02** (2006.01); **A61K 39/00** (2006.01); **C12R 1/01** (2006.01); **C12R 1/19** (2006.01)

CPC (source: EP)

C07K 14/20 (2013.01); **C07K 16/1207** (2013.01); **A61K 39/00** (2013.01)

Citation (search report)

[XP] EP 0350715 A1 19900117 - ML TECHNOLOGY VENTURES [US]

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 9104036 A1 19910404; CA 2025230 A1 19910314; EP 0491859 A1 19920701; EP 0491859 A4 19921007; JP H05502370 A 19930428

DOCDB simple family (application)

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