

Title (en)
NOVEL PROTEINS/POLYPEPTIDES AND COTRANSFECTION PLASMIDS AND LIVE RECOMBINANT CARRIERS THEREFOR

Title (de)
NEUE PROTEINE/POLYPEPTIDE UND KOTRANSFEKTIONSPLASMIDE UND LEBENDE REKOMBINANTE TRÄGER DAFÜR

Title (fr)
NOUVEAUX POLYPEPTIDES/PROTEINES, PLASMIDES DE COTRANSFECTION ET LEURS VECTEURS RECOMBINANTS VIVANTS

Publication
EP 0720654 A1 19960710 (EN)

Application
EP 94926246 A 19940907

Priority
• EP 9402990 W 19940907
• GB 9319212 A 19930916

Abstract (en)
[origin: GB2316681A] There are disclosed vaccines which are effective for protecting a mammal against coronaviruses without inducing antibody dependent enhancement (ADE). In particular, there is disclosed a modified Feline Infectious Peritonitis virus (FIPV) S protein wherein at least one of the A1, A2 or D regions are antigenically-inactive. The S protein may have its signal peptide modified or deleted. Proteins for a FIPV vaccine may include the SM protein and/or the M protein. The protein sequence and corresponding nucleotide sequence of the FIPV SM protein is disclosed. The protein fragments may be attached to proteins such as BSA or KLH. The proteins may be formulated as a live vaccine e.g. by utilising recombinant carriers such as vaccinia, herpes, adeno, sinbis, corona viruses or bacterial carriers.

IPC 1-7
C12N 15/50; **C07K 14/165**; **A61K 39/215**; **C12N 15/86**

IPC 8 full level
C12N 15/09 (2006.01); **A61K 39/215** (2006.01); **A61P 31/12** (2006.01); **C07H 21/04** (2006.01); **C07K 14/165** (2006.01); **C12N 7/00** (2006.01); **C12N 15/00** (2006.01); **C12N 15/50** (2006.01); **C12N 15/869** (2006.01); **C12P 21/02** (2006.01); **C12R 1/92** (2006.01)

CPC (source: EP KR)
A61K 39/215 (2013.01 - KR); **A61P 31/12** (2017.12 - EP); **C07K 14/005** (2013.01 - EP); **C07K 14/165** (2013.01 - KR); **C12N 15/11** (2013.01 - KR); **C12N 15/86** (2013.01 - EP); **C12N 2710/16743** (2013.01 - EP); **C12N 2770/20022** (2013.01 - EP); **C12N 2770/20034** (2013.01 - EP)

Citation (search report)
See references of WO 9507987A2

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB IE IT LI NL SE

DOCDB simple family (publication)
GB 2316681 A 19980304; **GB 2316681 B 19980415**; **GB 9722558 D0 19971224**; AU 7615894 A 19950403; BR 9407507 A 19970107; CA 2171869 A1 19950323; EP 0720654 A1 19960710; GB 2282601 A 19950412; GB 2282601 B 19980415; GB 9319212 D0 19931103; JP H09509562 A 19970930; KR 960705047 A 19961009; NO 961086 D0 19960315; NO 961086 L 19960509; WO 9507987 A2 19950323; WO 9507987 A3 19950622; ZA 946887 B 19950627

DOCDB simple family (application)
GB 9722558 A 19930916; AU 7615894 A 19940907; BR 9407507 A 19940907; CA 2171869 A 19940907; EP 9402990 W 19940907; EP 94926246 A 19940907; GB 9319212 A 19930916; JP 50896195 A 19940907; KR 19960701359 A 19960315; NO 961086 A 19960315; ZA 946887 A 19940907