

Title (en)

NON-REPLICATIVE PARTICULATE VACCINE DELIVERY SYSTEM AND METHODS OF MAKING AND USING SAME

Title (de)

NICHTREPLIZIERENDES PARTIKELHALTIGES IMPFSTOFFVERABREICHUNGSSYSTEM UND VERFAHREN ZUR DESSEN HERSTELLUNG UND VERWENDUNG

Title (fr)

SYSTEME D'APPORT DE VACCIN PARTICULAIRE NON REPLICATIF ET TECHNIQUES DE PREPARATION ET D'UTILISATION DE CE SYSTEME

Publication

EP 1324770 A2 20030709 (EN)

Application

EP 01975564 A 20010927

Priority

- US 0130464 W 20010927
- US 23561400 P 20000927

Abstract (en)

[origin: WO0226254A2] The invention provides a means of delivering multiple immunogens, such as pathogenic/tumorigenic epitopes, to elicit immune responses. Specifically, the invention provides a fusion protein, comprising the amino acid sequence of a viral tubule protein and the amino acid sequence for one or more immunogens. The fusion proteins can assemble with other fusion proteins to form a viral tubule which can serve to deliver multiple immunogens when administered to a subjects as a vaccine. The invention further provides methods of making and using various vaccines, fusion proteins, and compositions provided by the invention.

IPC 1-7

A61K 39/385; A61K 39/00; C07K 19/00; C07K 16/10; C12N 15/62; C12N 15/86; C12N 5/10; G01N 33/577; G01N 33/569

IPC 8 full level

A61P 37/04 (2006.01); **C07K 14/09** (2006.01); **C07K 14/11** (2006.01); **C07K 14/14** (2006.01); **C07K 14/16** (2006.01)

CPC (source: EP)

A61P 37/04 (2017.12); **C07K 14/005** (2013.01); **A61K 2039/53** (2013.01); **A61K 2039/57** (2013.01); **C07K 2319/00** (2013.01); **C12N 2710/14143** (2013.01); **C12N 2720/12322** (2013.01); **C12N 2740/16222** (2013.01); **C12N 2760/16122** (2013.01); **C12N 2770/32122** (2013.01)

Citation (search report)

See references of WO 0226254A2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 0226254 A2 20020404; **WO 0226254 A3 20030123**; AU 9488001 A 20020408; EP 1324770 A2 20030709

DOCDB simple family (application)

US 0130464 W 20010927; AU 9488001 A 20010927; EP 01975564 A 20010927