

Title (en)

METHOD FOR INDUCING A SYSTEMIC IMMUNE RESPONSE TO AN ANTIGEN

Title (de)

VERFAHREN ZUR AUSLÖSUNG EINER SYSTEMISCHEN IMMUNANTWORT AUF EIN ANTIGEN

Title (fr)

PROCEDE VISANT A PROVOQUER UNE REPONSE IMMUNITAIRE SYSTEMIQUE A UN ANTIGENE

Publication

**EP 0932392 A1 19990804 (EN)**

Application

**EP 97916919 A 19970324**

Priority

- US 9704634 W 19970324
- US 62180296 A 19960322

Abstract (en)

[origin: WO9734583A1] A method is provided for inducing a systemic immune response to an antigen in a mammal. The method comprises orally administering lyophilized multilaminar liposomes containing the antigen. The liposomes have a size of from 20 nm to 20 microns. The antigen-containing liposomes are absorbed in the Peyer's patches of the gut. Sufficient antigen-containing liposomes are taken up by macrophages in the Peyer's patches to induce a systemic immune response to the antigen.

IPC 1-7

**A61K 9/127**

IPC 8 full level

**A61K 9/127** (2006.01); **A61K 9/48** (2006.01); **A61K 39/39** (2006.01)

CPC (source: EP)

**A61K 9/127** (2013.01); **A61K 9/4891** (2013.01); **A61K 39/39** (2013.01); **A61K 2039/55555** (2013.01); **Y02A 50/30** (2017.12)

Citation (search report)

See references of WO 9734583A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 9734583 A1 19970925**; AU 2540797 A 19971010; AU 682805 B1 19971016; EP 0932392 A1 19990804

DOCDB simple family (application)

**US 9704634 W 19970324**; AU 2540797 A 19970324; AU 7064396 A 19961106; EP 97916919 A 19970324