

Title (en)

PREVENTION OF LEAKAGE DURING THERMOTROPIC PHASE TRANSITION IN LIPOSOMES AND BIOLOGICAL CELLS

Title (de)

VERHINDERUNG DES AUSFLIESSENS AUS LIPOSOMEN UND BIOLOGISCHEN ZELLEN WÄHREND THERMOTROPEN PHASENÜBERGANG

Title (fr)

PREVENTION DES FUITES SE PRODUISANT PENDANT LA TRANSITION DE PHASE THERMOTROPE DANS DES LIPOSOMES ET DES CELLULES BIOLOGIQUES

Publication

EP 0796088 A4 19981209 (EN)

Application

EP 95944345 A 19951218

Priority

- US 9516520 W 19951218
- US 36919395 A 19950105

Abstract (en)

[origin: WO9620695A1] Leakage from liposomes or biological cells which occurs upon cooling through the thermotropic phase transition temperature is reduced or eliminated by incorporating thermal hysteresis proteins in the liposome or cell structure. Preferred thermal hysteresis proteins are antifreeze proteins and antifreeze glycoproteins from polar fish species, and chromatographic fraction no. 8 of antifreeze glycoproteins has been found to be particularly effective.

IPC 1-7

A61K 9/127

IPC 8 full level

A61K 9/127 (2006.01); **C07K 14/435** (2006.01); **C07K 14/46** (2006.01); **C12N 5/00** (2006.01)

CPC (source: EP)

A61K 9/127 (2013.01); **C07K 14/43563** (2013.01); **C07K 14/461** (2013.01)

Citation (search report)

- [A] WO 9112718 A1 19910905 - AGOURON PHARMA [US]
- See references of WO 9620695A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 9620695 A1 19960711; AU 4641696 A 19960724; AU 697926 B2 19981022; CA 2207905 A1 19960711; CN 1085076 C 20020522; CN 1216918 A 19990519; EP 0796088 A1 19970924; EP 0796088 A4 19981209; JP H10511947 A 19981117

DOCDB simple family (application)

US 9516520 W 19951218; AU 4641696 A 19951218; CA 2207905 A 19951218; CN 95197247 A 19951218; EP 95944345 A 19951218; JP 52105096 A 19951218