Title (en)

PROTEOPHOSPHOLIPOSOMES HAVING HDL-TYPE VESICLES

Title (de)

PROTEOPHOSPHOLIPOSOME MIT HDL-ÄHNLICHEN VESIKELN

Title (fr)

PROTÉOPHOSPHOLIPOSOMES CONTENANT DES VÉSICULES DE TYPE HDL

Publication

EP 3968961 A1 20220323 (DE)

Application

EP 20780083 A 20200722

Priority

- DE 202019003092 U 20190724
- DE 102019007769 A 20191108
- DE 2020000163 W 20200722

Abstract (en)

[origin: WO2021027984A1] New proteophospholiposomes contain internal HDL-type vesicles with a new composite of anionic polypeptides, selected from the group of apoproteins A and at least one anionic polypeptide from the group of albumins, transthyretin prealbumins and at least one cysteine group. The new anionic polypeptide composite is coated with layers of acyl-phosphatidylcholines that are protected from conversions by means of thio-phosphosphatidylcholine. The thiogroups attract antioxidants, ionic micromaterials and cofactors and are protected by exterior layers that contain neutral fats and/or by means of capsules that contain microsomes, in an outwardly uniform fashion.

IPC 8 full level

A61K 9/127 (2006.01); **A61K 38/00** (2006.01); **C07K 14/76** (2006.01); **C07K 14/775** (2006.01)

CPC (source: EP US)

A61K 9/1271 (2013.01 - EP US); **A61K 9/1275** (2013.01 - EP US); **A61K 9/1276** (2013.01 - US); **A61K 9/1277** (2013.01 - US); **A61K 31/07** (2013.01 - US); **A61K 31/355** (2013.01 - US); **A61K 31/375** (2013.01 - US); **A61K 31/593** (2013.01 - US); **A61K 38/38** (2013.01 - US); **A61K 47/12** (2013.01 - US); **G01N 33/92** (2013.01 - EP); C07K 14/76 (2013.01 - EP); C07K 14/775 (2013.01 - EP); C07K 2319/31 (2013.01 - EP)

Citation (search report)

See references of WO 2021027984A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 202019003092 U1 20200117; AU 2020328776 A1 20220303; DE 102019007769 A1 20210128; DE 112020003488 A5 20220615; EP 3968961 A1 20220323; US 2023240991 A1 20230803; WO 2021027984 A1 20210218

DOCDB simple family (application)

DE 202019003092 U 20190724; AU 2020328776 A 20200722; DE 102019007769 A 20191108; DE 112020003488 T 20200722; DE 2020000163 W 20200722; EP 20780083 A 20200722; US 202017300210 A 20200722