

Title (en)
LIPOPHILIC EYE CONTOUR GEL AND METHOD FOR THE PREPARATION THEREOF

Title (de)
LIPOPHILES AUGENKONTURGEL UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)
GEL DE CONTOUR DES YEUX ET SON PROCÉDÉ DE PRÉPARATION

Publication
EP 4110265 A1 20230104 (EN)

Application
EP 21732115 A 20210517

Priority
• IT 202000011365 A 20200518
• IB 2021054209 W 20210517

Abstract (en)
[origin: WO2021234536A1] A lipophilic composition for an eye contour gel, with a soothing and cleansing action on the eyelid waterline and the periorcular area indicated for the treatment of blepharitis or similar diseases, comprises: liposomes with a particle size less than one micron, or even less than 200 nm, consisting of non-hydrogenated phospholipids which carry Vitamin A Palmitate, Bisabolol, Tea Tree oil and Vitamin E TPGS, Xanthan gum as a viscosifying, gelling and structuring agent with good wetting capacity, and Ferulic acid which, specifically intercalated in the liposomes, protects Vitamin A Palmitate from degradation. By adding Vitamin E TPGS in the liposome preparation step, Vitamin E is inserted into the phospholipid multilayer, while the hydrophilic part thereof, PEG, remains outside the liposomes. This allows the liposomal structure to increase the ability to coordinate water, since the liposomes with PEG chains outside the structure thereof act as "traps" (WHC, Water Holding Capacity) or as "binders" (WBC, Water Binding Capacity).

IPC 8 full level
A61K 8/04 (2006.01); **A61K 8/03** (2006.01); **A61K 8/14** (2006.01); **A61K 8/34** (2006.01); **A61K 8/55** (2006.01); **A61K 8/67** (2006.01); **A61K 8/92** (2006.01); **A61P 17/00** (2006.01); **A61Q 1/14** (2006.01); **A61Q 19/00** (2006.01)

CPC (source: EP)
A61K 8/03 (2013.01); **A61K 8/042** (2013.01); **A61K 8/14** (2013.01); **A61K 8/34** (2013.01); **A61K 8/553** (2013.01); **A61K 8/67** (2013.01); **A61K 8/671** (2013.01); **A61K 8/678** (2013.01); **A61K 8/922** (2013.01); **A61P 17/00** (2017.12); **A61Q 1/14** (2013.01); **A61Q 19/005** (2013.01)

Citation (search report)
See references of WO 2021234536A1

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2021234536 A1 20211125; EP 4110265 A1 20230104

DOCDB simple family (application)
IB 2021054209 W 20210517; EP 21732115 A 20210517