

Title (en)

DEVICES, SYSTEMS, AND METHODS FOR THE TREATMENT OF CLOGGED GLANDS OF THE EYE

Title (de)

VORRICHTUNGEN, SYSTEME UND VERFAHREN ZUR BEHANDLUNG VON VERSTOPFTEN AUGENDRÜSEN

Title (fr)

DISPOSITIFS, SYSTÈMES ET PROCÉDÉS DE TRAITEMENT DES GLANDES OBSTRUÉES DE L'OEUIL

Publication

**EP 4274526 A1 20231115 (EN)**

Application

**EP 22736995 A 20220104**

Priority

- US 202117142872 A 20210106
- US 202117388975 A 20210729
- US 2022011173 W 20220104

Abstract (en)

[origin: WO2022150308A1] A system for treating clogged glands of the eye includes a heated eye mask, an electrical cord, and a controller. The heated eye mask includes an outer layer of surface material, an inner layer of surface material, and a graphene heating element. The graphene heating element is disposed between the outer and inner layers of surface material in a therapeutic region of the heated eye mask. The therapeutic region of the heated eye mask extends along the Meibomian glands of the eye. The graphene heating element is encapsulated by an electrically insulating cover. A thermally conductive material evenly distributes heat across the therapeutic region of the heated eye mask. The electrical cord provides power to the heated eye mask. The controller is provided on the electrical cord for controlling the heated eye mask to heat to one of at least four pre-set temperature levels.

IPC 8 full level

**A61F 7/00** (2006.01)

CPC (source: EP)

**A61F 7/007** (2013.01); **A61F 2007/0004** (2013.01); **A61F 2007/0071** (2013.01); **A61F 2007/0077** (2013.01); **A61F 2007/0207** (2013.01); **A61F 2007/0228** (2013.01)

Citation (search report)

See references of WO 2022150308A1

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 2022150308 A1 20220714**; CA 3204135 A1 20220714; CN 116940316 A 20231024; EP 4274526 A1 20231115

DOCDB simple family (application)

**US 2022011173 W 20220104**; CA 3204135 A 20220104; CN 202280017423 A 20220104; EP 22736995 A 20220104