

Title (en)

IN VITRO FULL-SKIN MODEL CONTAINING THREE-DIMENSIONAL CELL CULTURE MODELS OF THE SWEAT GLAND

Title (de)

IN-VITRO VOLLHAUTMODELL, ENTHALTEND DREIDIMENSIONALE ZELLKULTURMODELLE DER SCHWEIßDRÜSE

Title (fr)

MODÈLE VOLLHAUT IN-VITRO, CONTENANT UN MODÈLE DE CULTURE DE CELLULES TRIDIMENSIONNEL DE LA SCHWEISSDRÜSE

Publication

**EP 3445846 A1 20190227 (DE)**

Application

**EP 17713202 A 20170320**

Priority

- DE 102016206862 A 20160422
- EP 2017056490 W 20170320

Abstract (en)

[origin: WO2017182208A1] The invention relates to an in vitro full-skin model comprising, on a substrate layer, a dermis equivalent, an epidermis equivalent, and 1 to 100 three-dimensional sweat gland equivalents, each of which has 500 to 500,000 sweat gland cells and a diameter of 100 to 6,000 µm. The invention further relates to the production of the full-skin model and the use of said model as an in vitro model, in screening processes and for in vitro assessment of the effect of cosmetic substances on the inhibition of secretion of sweat and on body odor.

IPC 8 full level

**C12N 5/071** (2010.01)

CPC (source: EP US)

**C12N 5/063** (2013.01 - EP US); **C12N 5/0633** (2013.01 - EP US); **C12N 5/0698** (2013.01 - EP US); **G01N 33/5008** (2013.01 - US); **C12N 2513/00** (2013.01 - EP US); **C12N 2533/54** (2013.01 - EP US)

Citation (search report)

See references of WO 2017182208A1

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)

**WO 2017182208 A1 20171026**; DE 102016206862 A1 20171026; EP 3445846 A1 20190227; JP 2019514370 A 20190606; JP 6871274 B2 20210512; US 11180728 B2 20211123; US 2019144821 A1 20190516

DOCDB simple family (application)

**EP 2017056490 W 20170320**; DE 102016206862 A 20160422; EP 17713202 A 20170320; JP 2018555236 A 20170320; US 201716095190 A 20170320