

Title (en)

FLEXIBLE SURFACE AREA LIGHT, IN PARTICULAR FOR USE IN A PIECE OF CLOTHING

Title (de)

FLEXIBLE FLÄCHENLEUCHTE, INSBESONDERE ZUR VERWENDUNG IN EINEM BEKLEIDUNGSSTÜCK

Title (fr)

DISPOSITIF SOUPLE D'ÉCLAIRAGE SURFACIQUE, EN PARTICULIER POUR UNE UTILISATION DANS UN VÊTEMENT

Publication

**EP 3259527 A1 20171227 (DE)**

Application

**EP 16707398 A 20160216**

Priority

- DE 102015102407 A 20150220
- EP 2016053250 W 20160216

Abstract (en)

[origin: WO2016131819A1] The invention relates to a surface area light (10), in particular for use in a piece of clothing (30). The surface area light (10) according to the invention has a cover layer (11) having a light emission area (12). A reflection layer (13) having a reflection area (14) is arranged on the side opposite the cover layer (11). A first scattering layer (15) made of a textile material, preferably a textile fabric, directly adjoins the cover layer (11). The textile fabric can be connected to the cover layer in a laminar manner or can be in contact thereto. Light sources (16) are arranged at a distance from each other in a longitudinal direction L in one or more rows. The light sources (16) have a light emission side (17) which faces the reflection layer (13). A spacer means (19) secures a minimum distance between the light sources (16) and the reflection layer (13). The light emitted from the light sources (16) is reflected on the reflection layer (13) to the cover layer (11). The optical path within the surface area light (10) can thus be enlarged without enlarging the thickness of the surface area light (10) at a right angle to the light emission area (12).

IPC 8 full level

**F21V 33/00** (2006.01); **F21V 5/00** (2015.01); **F21V 7/00** (2006.01)

CPC (source: CN EP US)

**F21V 5/007** (2013.01 - CN EP US); **F21V 7/0008** (2013.01 - CN EP US); **F21V 7/0016** (2013.01 - US); **F21V 33/0008** (2013.01 - CN EP US); **F21Y 2101/00** (2013.01 - CN); **F21Y 2105/10** (2016.07 - CN EP US); **F21Y 2109/00** (2016.07 - EP); **F21Y 2115/10** (2016.07 - CN EP US)

Citation (search report)

See references of WO 2016131819A1

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 2016131819 A1 20160825**; CN 107429896 A 20171201; DE 102015102407 A1 20160908; EP 3259527 A1 20171227; EP 3259527 B1 20181107; MX 2017010702 A 20180430; RU 2017132691 A 20190320; US 2018087765 A1 20180329

DOCDB simple family (application)

**EP 2016053250 W 20160216**; CN 201680020304 A 20160216; DE 102015102407 A 20150220; EP 16707398 A 20160216; MX 2017010702 A 20160216; RU 2017132691 A 20160216; US 201615552433 A 20160216