

Title (en)

APPLICATOR FOR IN PARTICULAR MANUALLY CONTROLLED APPLICATION OF A LIGHT-CURABLE COMPOSITE MATERIAL AND ARRANGEMENT OF A LIGHT SOURCE ON THE APPLICATOR

Title (de)

APPLIKATOR ZUM APPLIZIEREN EINES LICHTAUSHÄRTENDEN VERBUNDMATERIALS UND ANORDNUNG EINES LEUCHTMITTELS AN EINEM APPLIKATOR

Title (fr)

APPLICATEUR DESTINÉ À L'APPLICATION, EN PARTICULIER À COMMANDE MANUELLE, D'UN MATÉRIAU COMPOSITE PHOTO-DURCISSABLE, ET AGENCEMENT D'UN MOYEN D'ÉCLAIRAGE SUR L'APPLICATEUR

Publication

**EP 2872068 A2 20150520 (DE)**

Application

**EP 13783238 A 20130711**

Priority

- DE 202012102583 U 20120712
- DE 2013100258 W 20130711

Abstract (en)

[origin: WO2014008894A2] The invention relates to an applicator (100) for in particular manually controlled application of a light-curable composite material contained in a reservoir (1), wherein the reservoir (1) is deformable at least in some areas and the light-curable composite material is present in the reservoir, and having an outlet opening (3.1) for the light-curable material and at least one light source for curing the light-curable material, wherein according to the invention the reservoir is resiliently compressible and the wall region thereof in the actuating region (16) has a reduced height (H) in the Z-direction and the wall region is compressible in a preferred direction (Z-direction). The at least one light source can be arranged on the applicator in such a manner that the LED-lamp, when actuated, shines toward the outlet opening (3.1). The invention further relates to the arrangement of at least one light source on the applicator (100), wherein according to the invention at least one light source is arranged in such a manner that the light of the light source, when the latter is actuated, shines toward the leading end of the applicator (100), casting light onto the emerging light-curable material.

IPC 8 full level

**A61C 13/15** (2006.01); **B05C 1/06** (2006.01); **B05C 17/00** (2006.01); **B05C 17/005** (2006.01)

CPC (source: EP US)

**B05C 1/06** (2013.01 - EP US); **B05C 17/00** (2013.01 - EP US); **B05C 17/0052** (2013.01 - EP US); **B05C 17/00583** (2013.01 - US); **F21K 9/20** (2016.07 - EP US); **F21K 9/61** (2016.07 - EP US); **F21V 21/088** (2013.01 - US)

Citation (search report)

See references of WO 2014008894A2

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 202012102583 U1 20121105**; DE 102013107384 A1 20140522; DE 112013003483 A5 20150319; DE 202013012804 U1 20191106; DE 202013100496 U1 20131015; DE 202013100497 U1 20131015; EP 2872068 A2 20150520; EP 2872068 B1 20190807; EP 3323379 A1 20180523; EP 3323379 B1 20191218; US 2015174604 A1 20150625; US 9694383 B2 20170704; WO 2014008894 A2 20140116; WO 2014008894 A3 20140508; WO 2014008894 A4 20140717

DOCDB simple family (application)

**DE 202012102583 U 20120712**; DE 102013107384 A 20130711; DE 112013003483 T 20130711; DE 2013100258 W 20130711; DE 202013012804 U 20130711; DE 202013100496 U 20130204; DE 202013100497 U 20130204; EP 13783238 A 20130711; EP 17205533 A 20130711; US 201314414128 A 20130711