

Title (en)  
COVERS FOR LED LIGHT SOURCES

Title (de)  
ABDECKUNGEN FÜR LED-LICHTQUELLEN

Title (fr)  
ÉLÉMENTS DE RECOUVREMENT DESTINÉS À DES SOURCES LUMINEUSES À DEL

Publication  
**EP 3802701 A1 20210414 (DE)**

Application  
**EP 19724533 A 20190521**

Priority  
• EP 18174697 A 20180529  
• EP 2019063118 W 20190521

Abstract (en)  
[origin: WO2019228867A1] The invention relates to the use of branched aliphatic hydrocarbons such as squalane in compositions based on thermoplastic polymers, particularly based on polycarbonate, which are used to produce molded parts, which are used in LED lighting units, such as covers. According to the invention, it was found that, if branched aliphatic hydrocarbons are used, the total transmittance and the transmittance in the range from 360 to 460 nm can be increased, which makes corresponding compositions particularly suitable for the production of molded parts for use in combination with white LED light sources. It was also found that yellowing and haze are reduced at the same time.

IPC 8 full level  
**C08L 69/00** (2006.01)

CPC (source: EP KR US)  
**C08K 5/103** (2013.01 - KR); **C08K 5/13** (2013.01 - KR); **C08K 5/49** (2013.01 - KR); **C08K 5/50** (2013.01 - KR); **C08K 5/523** (2013.01 - KR); **C08L 69/00** (2013.01 - EP KR); **F21K 9/275** (2016.07 - US); **F21V 29/70** (2015.01 - US); **F21V 29/87** (2015.01 - US); **C08K 5/005** (2013.01 - US); **C08K 5/01** (2013.01 - US); **C08K 5/103** (2013.01 - US); **C08K 5/50** (2013.01 - US); **C08L 69/00** (2013.01 - US); **C08L 2203/20** (2013.01 - US); **F21Y 2115/10** (2016.07 - US); **Y02B 20/00** (2013.01 - EP)

Citation (search report)  
See references of WO 2019228867A1

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)  
**EP 3575362 A1 20191204**; CN 112236480 A 20210115; CN 112236480 B 20230103; EP 3802701 A1 20210414; JP 2021530832 A 20211111; KR 20210016401 A 20210215; US 11353165 B2 20220607; US 2021222839 A1 20210722; WO 2019228867 A1 20191205

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**EP 18174697 A 20180529**; CN 201980035514 A 20190521; EP 19724533 A 20190521; EP 2019063118 W 20190521; JP 2020566668 A 20190521; KR 20207037124 A 20190521; US 201915733856 A 20190521