

Title (en)
Illumination device of a motor vehicle

Title (de)
Beleuchtungseinrichtung eines Kraftfahrzeugs

Title (fr)
Dispositif d'éclairage d'un véhicule automobile

Publication
EP 2672170 A3 20141203 (DE)

Application
EP 13167299 A 20130510

Priority
DE 202012005548 U 20120608

Abstract (en)
[origin: EP2672170A2] The illumination device (5) comprises light focusing units such as reflector (10), cover plate (15) and condenser lens (18), and dark colored components (22) made of plastic, and infrared transmitting material. The dark-colored components consist of a thermoplastic material with color pigments. The 6.dark-colored components have infrared transmittance of 90%. The thermoplastic material is formed of polycarbonate.

IPC 8 full level
F21S 8/10 (2006.01); **F21V 9/04** (2006.01)

CPC (source: EP)
F21S 41/50 (2017.12); **F21S 45/10** (2017.12); **F21S 41/25** (2017.12)

Citation (search report)
• [XYI] WO 03099939 A1 20031204 - SATURNUS AVTOOPREMA PROIZV SVE [SI], et al
• [YA] DE 19803986 A1 19980820 - VALEO VISION [FR]
• [YA] DE 29912504 U1 19990916 - HELLA KG HUECK & CO [DE]
• [A] WO 2009040720 A2 20090402 - PHILIPS INTELLECTUAL PROPERTY [DE], et al

Cited by
US2017241612A1; CN107091444A; US10267480B2; US10550262B2; CN107614610A; JPWO2016194758A1; WO2016194757A1; WO2016194758A1

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 202012005548 U1 20120702; EP 2672170 A2 20131211; EP 2672170 A3 20141203; EP 2672170 B1 20220209

DOCDB simple family (application)
DE 202012005548 U 20120608; EP 13167299 A 20130510