

Title (en)
Light for signalling comprising electroluminescent diodes

Title (de)
Signalleuchte mit lichtemittierenden Dioden

Title (fr)
Feu de signalisation à diodes electroluminescentes

Publication
EP 1541920 A1 20050615 (FR)

Application
EP 04292932 A 20041209

Priority
FR 0314456 A 20031210

Abstract (en)
The light has a case (1) closed by a frontal lens (2) and in which a support plate (3) is mounted for carrying light emitting diodes (4). A transparent collimation plate (5) has a collimation lens (6) and a cylindrical diffusion lens (7) curved towards the diodes and frontal lens, respectively. An anti-phantom screen (11) is interposed between the collimation plate and frontal lens. The screen has opaque segments delimiting slits (14).

Abstract (fr)
Le feu de signalisation comporte un boîtier (1) fermé par une lentille frontale (2) et dans lequel sont disposés une plaque support (3) portant des diodes électroluminescentes (4), une plaque de collimation (5) transparente comportant des lentilles de collimation (6) tournées vers les diodes électroluminescentes (4) et des lentilles de diffusion cylindriques (7) tournées vers la lentille frontale, et un masque anti-fantôme (11) interposé entre la plaque de collimation (5) et la plaque frontale (2) et comportant des segments opaques délimitant des fentes (14). <IMAGE>

IPC 1-7
F21S 8/00; **F21W 111/00**; **F21S 8/10**

IPC 8 full level
F21S 8/00 (2006.01); **F21S 8/10** (2006.01); **F21V 9/08** (2006.01); **F21V 11/12** (2006.01); **F21V 13/12** (2006.01); **F21V 5/00** (2006.01)

CPC (source: EP US)
F21S 43/14 (2017.12 - EP); **F21S 43/255** (2017.12 - EP); **F21V 11/12** (2013.01 - EP); **F21V 13/12** (2013.01 - EP US); **F21S 43/26** (2017.12 - EP); **F21W 2111/02** (2013.01 - EP); **F21Y 2115/10** (2016.07 - EP US)

Citation (search report)

- [A] EP 0523927 A2 19930120 - PRECISION SOLAR CONTROLS INC [US]
- [A] US 5636057 A 19970603 - DICK GEORGES P [CA], et al
- [A] GB 2194321 A 19880302 - LLOYD GEORGE HOWARD
- [A] EP 0081361 A1 19830615 - LUCAS IND PLC [GB]

Cited by
EP1762777A3; NL2000916C2; ITFI20130290A1; FR2905321A1; FR2888796A1; EP1696171A1; FR3078139A1; US11415292B2; US10337698B2; WO2011039005A1; WO2015079405A1; WO2019158890A1; EP3755943B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1541920 A1 20050615; **EP 1541920 B1 20070221**; AT E354765 T1 20070315; DE 602004004862 D1 20070405; DE 602004004862 T2 20071115; FR 2863686 A1 20050617; FR 2863686 B1 20060224

DOCDB simple family (application)
EP 04292932 A 20041209; AT 04292932 T 20041209; DE 602004004862 T 20041209; FR 0314456 A 20031210