

Title (en)
LIGHT STRIP

Title (de)
LEUCHTBAND

Title (fr)
BANDE LUMINEUSE

Publication
EP 2454520 B1 20150128 (EN)

Application
EP 10707290 A 20100309

Priority
EP 2010052947 W 20100309

Abstract (en)
[origin: WO2011110217A1] A flexible light strip (1, 1A, 1B) comprises a flexible printed circuit board (2, 2A, 2B), a plurality of light sources (3) arranged on the flexible printed circuit board for emitting light, first conductors for carrying current arranged on the flexible printed circuit board connected to and arranged for energizing the light sources, and a housing (4). In one aspect, the light sources are arranged to emit light substantially normal to the flexible printed circuit board. The housing comprises at least a first portion (7) and a second portion (8) extending along the flexible printed circuit board, and having different optical properties. The first portion is at least substantially translucent for light emitted by the light sources. The first and second portions are arranged such that the emitted light is reflected off the second portion and the main distribution direction of the emitted light is redirected to produce an intensity pattern with a maximum intensity in a direction (E) at an angle (a) to the normal (H) of the flexible printed circuit board.

IPC 8 full level
F21S 4/00 (2006.01)

CPC (source: EP US)
F21S 4/28 (2016.01 - EP); **F21V 7/0008** (2013.01 - EP); **F21V 7/0016** (2013.01 - EP); **F21V 7/005** (2013.01 - EP US);
F21Y 2103/10 (2016.07 - EP US); **F21Y 2113/13** (2016.07 - EP); **F21Y 2115/10** (2016.07 - EP US)

Cited by
CN109964080A; CN107980087A; EP3001095A1; US2023332751A1; EP3524875A1; US10584835B2; EP3312506A1; WO2017216019A1;
WO2018095853A1; US9696004B2; EP3561369A1; WO2019206457A1; EP3388742B1

Designated contracting state (EPC)
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 SE SI SK SM TR

DOCDB simple family (publication)
WO 2011110217 A1 20110915; EP 2454520 A1 20120523; EP 2454520 B1 20150128

DOCDB simple family (application)
EP 2010052947 W 20100309; EP 10707290 A 20100309