

Title (en)
LED lighting strip

Title (de)
Leuchtdiode-Beleuchtungsleiste

Title (fr)
Bande lumineuse à diodes électroluminescentes

Publication
EP 1758068 A1 20070228 (EN)

Application
EP 06254347 A 20060818

Priority
GB 0517171 A 20050822

Abstract (en)
A lighting strip comprises an elongated substantially U-shaped body 1 formed of a base strip 3 having a pair of sides 4a, 4b extending perpendicularly from opposing longitudinal edges so as to form, with the base strip 3, an elongated channel 5. The two sides 4a, 4b each have a respective one of a pair of aligned, longitudinally extending ribs 6 formed on their facing surfaces, proximate to the open side of the channel 5, which form a constriction in the cross-section of the channel 5. A plurality of LEDs 8 are mounted in and distributed along the channel 5 on the base strip 3 so as to emit light towards the open face of the channel 5, and an elongated lens 2 is mounted so as to extend from the open face of the channel 5. The lens 2 having a longitudinally extending groove 9 formed in each side thereof in which said pair of aligned ribs 6 engage so as to retain the lens 2 in the channel 5.

IPC 8 full level
F21S 4/00 (2006.01); **F21V 15/01** (2006.01); **F21V 29/00** (2006.01); **G09F 13/00** (2006.01)

CPC (source: EP US)
F21S 4/28 (2016.01 - EP); **F21V 15/01** (2013.01 - EP); **F21V 29/507** (2015.01 - EP US); **F21V 29/70** (2015.01 - EP US); **F21V 29/83** (2015.01 - EP); **F21Y 2115/10** (2016.07 - EP US)

Citation (search report)

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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 LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

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