

Title (en)
HEAT SINK FOR LIGHTING DEVICE

Title (de)
WÄRMESENKE FÜR EINE BELEUCHTUNGSVORRICHTUNG

Title (fr)
DISSIPATEUR THERMIQUE POUR DISPOSITIFS D'ÉCLAIRAGE

Publication
EP 4089324 A1 20221116 (EN)

Application
EP 22290030 A 20220511

Priority
EP 21290030 A 20210512

Abstract (en)
Heat sink (1) for a lighting device (100), comprising a base panel (2) having a top surface (20) and a bottom surface (21), and a plurality of pin fins (3) each extending outwardly from the top surface (20) in a protruding direction (4). The bottom surface (21) comprises a mounting section (22) for mounting a light source (200) so as to transfer heat from the light source (200) via the base panel (2) to the pin fins (3) by thermal conduction. The pin fins (3) each have a cross-sectional configuration (Q), when viewed along the protruding direction (4), with a central section (30) and two extension sections (31) extending along an extension direction (5) from opposite sides of the central section (30) so as to taper with increased distance from the central section (30).

IPC 8 full level
F21V 29/81 (2015.01); **F21V 21/30** (2006.01); **F21V 29/89** (2015.01); **F21W 131/10** (2006.01); **F21Y 105/12** (2016.01)

CPC (source: EP)
F21V 29/81 (2015.01); **F21V 21/30** (2013.01); **F21V 29/89** (2015.01); **F21W 2131/10** (2013.01); **F21Y 2105/12** (2016.07)

Citation (search report)

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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

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