

Title (en)
Modular LED units

Title (de)
Modulare LED-Einheit

Title (fr)
Unité de DEL modulaire

Publication
EP 1906084 A1 20080402 (EN)

Application
EP 07019054 A 20070927

Priority
US 54190506 A 20060930

Abstract (en)
A modular LED unit (10) having a number of LED modules (12) separately mounted on individual interconnected preferably-extruded heat sinks (14), each heat sink having: a base (20) configured to engage and hold an LED module (12) in place and, in preferred forms, to facilitate the ganging of heat-sink/LED modules; and a plurality of fins, including inner-fins (30) and side-fins (40,50), projecting from the opposite surface (24) of the base (20) and extending therealong, the side-fins (40,50) having interlocking features to facilitate the ganging of heat-sink/module units together and, in preferred forms, to facilitate interconnection of the modular LED unit to other portions of a lighting fixture.

IPC 8 full level
F21V 29/00 (2006.01); **F21Y 101/02** (2006.01)

CPC (source: EP US)
F21V 19/003 (2013.01 - EP); **F21V 29/75** (2015.01 - EP); **F21V 29/763** (2015.01 - EP US); **F21Y 2115/10** (2016.07 - EP US)

Citation (applicant)
US 2002196623 A1 20021226 - YEN GEORGE [TW]

Citation (search report)
• [XA] US 2002196623 A1 20021226 - YEN GEORGE [TW]
• [XA] US 2003179548 A1 20030925 - BECKER CHARLES ADRIAN [US], et al
• [PX] WO 2007000037 A1 20070104 - MITCHELL RICHARD J [CA], et al
• [A] FR 2818786 A1 20020628 - ELKRIEF SIMON [FR]

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 07019054 A 20070927; AT 07019054 T 20070927; DE 602007005072 T 20070927; ES 200701985 U 20071001