

Title (en)

IMPROVED LED LUMINAIRE COOLING SYSTEM

Title (de)

VERBESSERTES KÜHLSYSTEM FÜR LED-LEUCHTE

Title (fr)

SYSTÈME DE REFROIDISSEMENT AMÉLIORÉ POUR LUMINAIRES À LED

Publication

EP 2753876 B1 20191106 (EN)

Application

EP 12788653 A 20120905

Priority

- US 201161531066 P 20110905
- US 2012053807 W 20120905

Abstract (en)

[origin: WO2013036539A2] Described is an improved cooling system for luminaires. More specifically a cooling system where the heat is carried away from the heat generation light source via a first heat exchanger to a second separated heat exchanger via a contained fluid loop.

IPC 8 full level

F21V 29/00 (2015.01); **F21W 131/406** (2006.01)

CPC (source: EP US)

F21V 29/59 (2015.01 - EP US); **F21V 29/67** (2015.01 - EP US); **F21V 29/717** (2015.01 - EP US); **F21W 2131/406** (2013.01 - EP); **F21Y 2115/10** (2016.07 - EP US)

Citation (examination)

- WO 2011076219 A1 20110630 - MARTIN PROFESSIONAL AS [DK], et al
- US 2011155353 A1 20110630 - WAN CHENG-FENG [TW], et al
- EP 1833287 A2 20070912 - SAMSUNG ELECTRONICS CO LTD [KR]

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

DOCDB simple family (publication)

WO 2013036539 A2 20130314; **WO 2013036539 A3 20130620**; EP 2753876 A2 20140716; EP 2753876 B1 20191106

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