

Title (en)
LED light element

Title (de)
LED-Leuchteneinsatz

Title (fr)
Éléments d'éclairage à DEL

Publication
EP 2275732 B1 20140924 (DE)

Application
EP 10168337 A 20100702

Priority
• DE 102009032421 A 20090709
• DE 102009058309 A 20091215

Abstract (en)
[origin: EP2275732A1] The lamp insert has an elongated support element (20) arranged around a longitudinal axis for receiving circuit boards (30) for LEDs. A structural element (10) is connected with the support element, and supports the support element in a lamp housing. An electrical operating device (50) is provided for electrical supply of the LEDs and arranged on one of the circuit boards. The structural element stands in thermal contact to the support element. The operating device is integrated with the structural element.

IPC 8 full level
F21K 99/00 (2010.01)

CPC (source: EP US)
F21K 9/00 (2013.01 - EP US); **F21V 29/50** (2015.01 - US); **F21V 29/67** (2015.01 - US); **F21Y 2115/10** (2016.07 - EP US)

Citation (examination)
• US 5921660 A 19990713 - YU WILLIAM [US]
• US 2007064425 A1 20070322 - FRECSKA SANDOR A [US], et al
• EP 2039990 A1 20090325 - SITECO BELEUCHTUNGSTECH GMBH [DE]
• US 2004105264 A1 20040603 - SPERO YECHEZKAL EVAN [IL]
• US 2002048174 A1 20020425 - PEDERSON JOHN C [US]

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 SE SI SK SM TR

DOCDB simple family (publication)
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