

Title (en)
Lamp structure

Title (de)
Lampenstruktur

Title (fr)
Structure de lampe

Publication
EP 2136123 A1 20091223 (EN)

Application
EP 09401010 A 20090616

Priority
TW 97210582 U 20080616

Abstract (en)
A lamp structure comprises: a slim light emitting source including at least one LED (10) packaged on a multilayered printed circuit board type aluminum base (11); a funnel-shaped reflector (2) being concaved toward a center thereof and defined with at least one hole (20) for partially accommodating the LED (10), and an inner surface of the reflector (2) being coated to form a light reflecting surface; a flat lens (3) whose surface being treated with sand blast; a lamp housing (4) with a receiving chamber (40) for accommodation of the slim light emitting source, the reflector, the flat lens, and a driver (5), the lamp housing (4) being formed with a plurality of heat dissipation fins (41); and the driver (5) inserted in the other end of the receiving chamber of the lamp and having a positive and negative leads connected to the slim light emitting source for enabling it to produce light.

IPC 8 full level
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Citation (applicant)
US 2006227558 A1 20061012 - OSAWA SHIGERU [JP], et al

Citation (search report)
• [X] US 2006227558 A1 20061012 - OSAWA SHIGERU [JP], et al
• [X] DE 202007003679 U1 20070516 - HONG KUAN TECHNOLOGY CO LTD [TW]
• [X] US 2007236935 A1 20071011 - WANG PEI-CHOA [TW]
• [X] DE 202004004570 U1 20040527 - CONRAD ELECTRONIC GMBH [DE]
• [A] US 2006193139 A1 20060831 - SUN TSUNG-TING [TW], et al
• [A] JP 2003059332 A 20030228 - MATSUSHITA ELECTRIC WORKS LTD
• [A] US 2007001870 A1 20070104 - ROHLFING RALPH [DE], et al
• [A] US 4473872 A 19840925 - PUCKETT CLARENCE D [US], et al

Cited by
CN107883213A; CN102818180A; GB2478489A; CN102777824A; CN102818183A; EP2322852A1; EP2827044A1; WO2012039658A1; WO2013003996A1; EP2544510A2; US8933631B2

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