

Title (en)  
MULTI-ANGLE LIGHT SOURCE DEVICE

Title (de)  
VORRICHTUNG MIT MEHRWINKLIGER LICHTQUELLE

Title (fr)  
DISPOSITIF DE SOURCE LUMINEUSE MULTI-ANGLE

Publication  
**EP 3686477 A1 20200729 (EN)**

Application  
**EP 19177128 A 20190528**

Priority  
• CN 201920142832 U 20190125  
• US 201916374859 A 20190404

Abstract (en)  
A multi-angle light source device includes a holder (1), a housing (6) movably connectable with the holder and rotated relative to the holder, a power supply (8) received in the housing and electrically connected to the holder, and a body (2) fixedly connected to the housing. The body includes a fixing portion (3) connected to a proximal portion of a connecting portion (4), wherein the connection portion is configured to rotate relative to the fixing portion and at least one illuminant (5) connected to a distal portion of the connecting portion to rotate relative to the connecting portion. The present structure can flexibly adjust its luminous angle so that it can be conveniently used in different lamp-housings, suppress light pollution, reduce waste of electric energy, and further improve its heat dissipation performance of the product by the power supply separating from its heat source of each illuminant.

IPC 8 full level  
**F21K 9/23** (2016.01); **F21K 9/65** (2016.01); **F21Y 105/10** (2016.01); **F21Y 115/10** (2016.01)

CPC (source: EP)  
**F21K 9/23** (2016.07); **F21K 9/65** (2016.07); **F21Y 2105/10** (2016.07); **F21Y 2115/10** (2016.07)

Citation (applicant)  
CN 201721898060 U 20171229

Citation (search report)  
• [XYI] US 8072123 B1 20111206 - HAN TAE-KYU [KR]  
• [XI] KR 20130075028 A 20130705 - HWANG IL KYU [KR], et al  
• [XYI] US 2014049972 A1 20140220 - MCGUIRE KENNETH STEPHEN [US], et al  
• [Y] US 2018100637 A1 20180412 - LAN QING [CN]  
• [Y] CN 107781663 A 20180309 - SHENZHEN GUANKE TECH CO LTD  
• [Y] CN 103574357 B 20160120  
• [Y] CN 103574375 A 20140212 - SIGNCOMPLEX CO LTD

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3686477 A1 20200729; EP 3686477 B1 20221012**

DOCDB simple family (application)  
**EP 19177128 A 20190528**