

Title (en)

FOCUSING MECHANISM FOR LED SPOTLIGHT

Title (de)

FOKUSSIERUNGSMECHANISMUS FÜR LED-SCHEINWERFER

Title (fr)

MÉCANISME DE CONCENTRATION POUR SPOT À DEL

Publication

EP 2610552 A1 20130703 (EN)

Application

EP 11819443 A 20110829

Priority

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- CN 2011079077 W 20110829

Abstract (en)

A focusing mechanism for an LED spotlight comprises a lens assembly (1 to 3), a light source assembly (4, 5), lever connectors (6, 9) and a motor drive device (11, 13, 14) axially disposed in succession along a motor shaft. The motor drive device is connected to the lever connectors. The lever connectors have at least three connection parts (c) connected to one side of a light source casing and at least three fitting parts (b) connected to the lens assembly. The connection parts of the lever connectors are located in the same plane perpendicular to the axial direction and evenly disposed in the same plane, and the fitting parts are located in another plane perpendicular to the axial direction and evenly disposed in the other plane. By application of the lever principle, the focusing mechanism for the LED spotlight achieves fine and stable focusing of a high power LED spotlight and ensures the evenness of the light spot illuminated by the high power LED spotlight with low focusing error, great luminous efficacy and high brightness.

IPC 8 full level

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CPC (source: EP US)

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