

Title (en)  
LAMP HOLDER WITH FIXED WIRE

Title (de)  
LAMPENHALTERUNG MIT FESTEM DRAHT

Title (fr)  
SUPPORT DE LAMPE À FIL FIXE

Publication  
**EP 4198384 A1 20230621 (EN)**

Application  
**EP 21215392 A 20211217**

Priority  
EP 21215392 A 20211217

Abstract (en)  
A lamp holder with fixed wire, characterized by comprising: a lamp holder bottom cover (10); a wire fixing device (20) installed inside the lamp holder bottom cover (10); and a base body (30) connected to the bottom end of the lamp holder bottom cover; wherein the lamp holder bottom cover (10) includes a lamp holder bottom cover body (11), the bottom surface of the lamp holder bottom cover body has a recess (13), the wire fixing device (20) is installed in the recess (13); wherein the wire fixing device (20) includes a base ring (21), an abutting part (22) extending downwardly from the opposite sides of a bottom surface of the base ring (21), a clamping block (23) arranged alternately and spaced apart from the abutting part (22) and a plurality of barb teeth (24) connected to the inner wall of each clamping block (23); the outer surface of the clamp block (23) is used to abut the inner wall of the recess (13); the thickness of the clamp block (23) gradually increases from the lamp holder bottom cover (10) to the base body (30), and the maximum distance between the bottom ends of the two clamp blocks (23) is greater than the inner diameter of the recess (13). The lamp holder's structure is simple and convenient to use. The fixing device is inserted into the main body of the lamp holder bottom cover. The outer surfaces of the two clamping blocks are in contact with the inner wall of the recess, and the two clamping blocks are compressed and close to each other to clamp wire. Under such scenario, the barb teeth abuts the wire, the clamping effect of the wire is enhanced, the wire is tightened, effectively prevent the wire from being pulled out, the installation procedure is simplified, and the assembly efficiency is effectively improved.

IPC 8 full level  
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Citation (search report)

- [X] EP 0790459 A2 19970820 - ARDITI SPA [IT]
- [A] EP 0693654 A1 19960124 - ARDITI SPA [IT]
- [A] DE 2313198 A1 19730927 - ELETTROPLAST SPA

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