

Title (en)
DEVICE FOR CENTRING A METAL SCREEN IN A VACUUM INTERRUPTER, AND VACUUM INTERRUPTER COMPRISING SUCH A DEVICE

Title (de)
ZENTRIERVORRICHTUNG EINER METALLABSCHIRMUNG IN EINEM VAKUUMSCHALTER, UND VAKUUMSCHALTER MIT EINER SOLCHEN VORRICHTUNG

Title (fr)
DISPOSITIF DE CENTRAGE D'UN ÉCRAN MÉTALLIQUE DANS UNE AMPOULE À VIDE, ET AMPOULE À VIDE COMPORTANT UN TEL DISPOSITIF

Publication
EP 3404688 B1 20200729 (FR)

Application
EP 18160222 A 20180306

Priority
FR 1754227 A 20170515

Abstract (en)
[origin: CN108870152A] A centering device, the use thereof, and a vacuum bulb including the centering device are disclosed. The device is used for centering a metal shield within the vacuum bulb, comprising at least one metal strip wound around and secured to the shield. The strip includes a plurality of cuts. The cuts are formed to be protruding pieces slanting with respect to a surface of the shield. Therefore, when the shield is introduced into the housing of the bulb, the slanted pieces are bent towards first elasticity of the shield body when contacting the inner wall of the housing. Then, the protruding pieces return to first centering of the shield body through elasticity towards the housing. Additionally, under expansion effect of the housing and the shield body, the same protruding pieces secondarily bent towards the housing when thermal fixation is carried out from the shield body to the housing. Therefore, first centering of operation is maintained. The centering device is simple and economical, ensuring that the shield is centered at a lower cost relative to the housing of the bulb in a reliable and durable manner.

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