

Title (en)
LIGHT-EMITTING DEVICE AND SURGICAL LAMP

Title (de)
LICHTEMITTIERENDE VORRICHTUNG UND OP-LAMPE

Title (fr)
DISPOSITIF ÉMETTEUR DE LUMIÈRE ET LAMPE CHIRURGICALE

Publication
EP 3597993 A1 20200122 (EN)

Application
EP 17900462 A 20170315

Priority
CN 2017076685 W 20170315

Abstract (en)
A light-emitting device (100), comprising: a light source (1), a light deflection element (2) and a reflective shade (3); the reflective shade (3) comprises a top end (301), a bottom end (302) which is provided with an annular opening, and a reflector body (303) which gradually expands from the top end (301) to the bottom end (302), the reflector body (303) being symmetrical about a central axis; the light source (1) is located at the top end (301) of the reflective shade (3) and faces the bottom end (302) of the reflective shade (3), and may emit forward light and side light; the light deflection element (2) is located between the light source (1) and the reflective shade (3), and the light deflection element (2) is used for collecting the forward light and the side light, adjusting the deflection direction of the forward light and the side light such that the forward light and the side light which emerge from the light deflection element (2) are projected to an inner side of the reflector body (303) of the reflective shade (3); the reflective shade (3) then mixes and reflects a light beam, and finally light rays from different positions of the reflective shade (3) are superposed at a desired position to form a desired light spot. By using such the light-emitting device (100), a surgical lamp having no shadow effect may be made.

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