

Title (en)
LIGHT-EMITTING APPARATUS INCLUDING A REFLECTIVE CAVITY

Title (de)
LICHTEMITTIERENDE VORRICHTUNG MIT EINEM REFLEKTIERENDEN HOHLRAUM

Title (fr)
APPAREIL ÉLECTROLUMINESCENT COMPRENANT UNE CAVITÉ RÉFLÉCHISSANTE

Publication
EP 3862628 A1 20210811 (EN)

Application
EP 20155590 A 20200205

Priority
EP 20155590 A 20200205

Abstract (en)
A light-emitting apparatus can include a reflective cavity that can reflect visible light within the reflective cavity. The reflective cavity can allow the reflected visible light to exit the reflective cavity only at one or more specified emission locations. A visible light-emitting diode can emit visible light into the reflective cavity. An infrared light-emitting diode can emit infrared light into the reflective cavity. A lens can angularly redirect infrared light and visible light that exit the cavity through the one or more emission locations. The reflective cavity can be formed by surfaces at least partially coated with a coating that is reflective for visible light. The coated surfaces can include a circuit board that supports the light-emitting diodes, an incident surface of the lens, and an extension portion of the lens that extends from a flange to the incident surface of the lens.

IPC 8 full level
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Citation (search report)
• [X1] FR 3008475 A1 20150116 - FALGAYRAS [FR]
• [X1] US 2010060127 A1 20100311 - SAZUKA KIYOSHI [JP], et al
• [X1] JP 2010137729 A 20100624 - STANLEY ELECTRIC CO LTD

Cited by
US11417796B2

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