

Title (en)
An emergency luminaire

Title (de)
Notleuchte

Title (fr)
Luminaire d'urgence

Publication
EP 2023463 A2 20090211 (EN)

Application
EP 07118935 A 20071019

Priority
CN 200720126689 U 20070806

Abstract (en)
An emergency luminaire, including a case made of a front cover, a back cover and an electronic circuit fixed on the back cover, the electronic circuit comprising an AC-DC converter, a charging circuit, a control circuit, a DC-DC converter, a DC-AC converter, an output AC-DC converter and a conversion circuit, wherein: the AC-DC converter converts an input AC into two groups of output DC, the first group being connected with the charging circuit and the second being connected with the control circuit; the charging circuit is adapted to conduct current-limited charge to the battery by the first group of DC; the control circuit is adapted to control conversion between normal lighting and emergency lighting, the voltage test of battery discharge, and conversion status test by the second group of DC; the DC-AC converter includes an oscillating circuit and a boost circuit to produce an output high-frequency and a high-voltage AC with a transformer; the output AC-DC converter further comprises a rectification circuit, a filtering and a current-limited circuit; the DC-DC converter is adapted to convert the battery voltage to high voltage DC suitable for an electronic ballast to work through DC-AC converter and output AC-DC converter, and functions when the AC is turned off, being under-voltage or in test condition; the conversion circuit is adapted to control the conversion between normal lighting and emergency lighting.

IPC 8 full level
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CPC (source: EP)
H05B 41/2988 (2013.01)

Cited by
CN107834648A; CN112350423A; EP2856846A4; CN108110860A; CN112798985A; DE102009044593A1; CN105244997A; DE102009044593B4; US9954390B2

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Designated extension state (EPC)
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