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(71) Applicant: **Bast Lighting Co., Ltd. Hong Kong (CN)**

(72) Inventor: **Li, Po Hong Kong (CN)**

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(74) Representative: **Beck & Rössig European Patent Attorneys Cuvilliesstrasse 14 81679 München (DE)**

(54) **An emergency luminaire**

(57) 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 volt-

age 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.

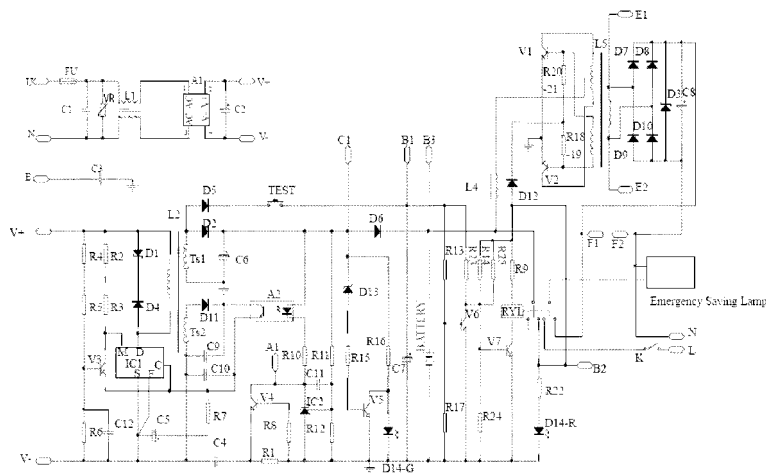


Figure 3

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EUROPEAN SEARCH REPORT

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Place of search Munich		Date of completion of the search 6 October 2010	Examiner Mapp, Graham
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ANNEX TO THE EUROPEAN SEARCH REPORT
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