

Title (en)

CLAMPING SYSTEM FOR LUMINAIRE ELECTRONIC DRIVERS

Title (de)

KLEMMVORRICHTUNG FÜR DAS TREIBERGERÄT EINER LEUCHTE

Title (fr)

SYSTÈME DE SERRAGE D'ALIMENTATIONS ÉLECTRONIQUES D'UN LUMINAIRE

Publication

EP 3301346 A1 20180404 (EN)

Application

EP 17193986 A 20170929

Priority

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Abstract (en)

A tool-less clamping fixture 20 that provides mechanical fixation and improved heat removal from electronic drivers 24a, 24b in luminaires 70. In some embodiments, the clamping fixture 20 includes at least one geartray plate 10, 30a, 30b with an opening 10a sized for inserting one or more electronic drivers 24a, 24b. The geartray plate 10, 30a, 30b may also include a pattern of predefined cutouts 11a-11e, 32a, 32b, 33a, 33b, 34a, 34b on opposite sides of the opening 10a. One or more flexible strips 12a, 12b, 40, 42 are then used to grip the electronic drivers 24a, 24b by forming a grip-connection with corresponding cutouts in the geartray plate 10, 30a, 30b to fix the position of the electronic drivers 24a, 24b (having the same or different shapes and sizes) and to provide a continuous force biasing the drivers 24a, 24b towards a heat sink 22. The result is improved heat removal from the luminaire 70 of heat generated by the electronic drivers 24a, 24b, and the tool-less clamping fixture 20 also significantly reduces assembly time and thus reduces costs as compared to conventional fixtures.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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- [IA] EP 0148334 A2 19850717 - SIEMENS AG [DE]
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- [A] GB 1301700 A 19730104

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