

Title (en)

LED LIGHT STRING HAVING COLORFUL LIGHT BEADS

Title (de)

LED-LICHTSTRANG MIT FARBIGEN LICHTKÜGELCHEN

Title (fr)

GUIRLANDE LUMINEUSE À DEL AYANT DES PERLES DE LUMIÈRE COLORÉES

Publication

**EP 3340743 A1 20180627 (EN)**

Application

**EP 17208278 A 20171218**

Priority

- CN 201621400939 U 20161220
- CN 201621400228 U 20161220
- CN 201621400941 U 20161220
- US 201715843820 A 20171215

Abstract (en)

A light string includes a controller and a plurality of colorful light beads. The controller is electrically connected with the light beads and an AC electric supply, and the light beads are connected in series. Two voltage supply lines power the light beads, and control signals from the controller are fused with the power signal and passed to the light beads via the negative pole. The control signal is recognized by each light bead and also passed to the next light bead in the series, to produce a change in the output of each light bead (e.g., color, flashing pattern, etc.). The light beads include three LEDs of different color and can produce seven different colors. Multiple light segments can be connected and controlled by the same controller. The light string design is simple, yet versatile, offering many illumination outputs selectable by a user.

IPC 8 full level

**A44C 15/00** (2006.01); **H05B 33/08** (2006.01); **H05B 37/02** (2006.01); **H05B 44/00** (2022.01)

CPC (source: EP US)

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Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

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