

Title (en)

Controlling device for controlling electric light sources and headlamp with such a controlling device

Title (de)

Regeleinrichtung zum Regeln von elektrischen Leuchtmitteln und Scheinwerfer einer solchen Regeleinrichtung

Title (fr)

Dispositif pour commander des sources lumineuses, ainsi qu' un projecteur comprenant un tel dispositif

Publication

**EP 1349433 A3 20060111 (DE)**

Application

**EP 03100570 A 20030307**

Priority

DE 10214447 A 20020330

Abstract (en)

[origin: EP1349433A2] The device has a load chain (1) containing the light sources (11-13), a controlled current or voltage source with a connection to the load chain, a connection to a constant current or voltage source (UB) and a third connection. The device has a regulator (2) connected via the third connection to the control current or voltage source and to a temperature sensor (3) as the actual value sender. The light sources are light emitting diodes (LEDs). An Independent claim is also included for the following: a headlamp with an inventive device.

IPC 8 full level

**H05B 44/00** (2022.01)

CPC (source: EP US)

**H05B 45/18** (2020.01 - EP US)

Citation (search report)

- [X] WO 0103474 A1 20010111 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE], et al
- [X] DE 19810827 A1 19990916 - SIEMENS AG [DE]
- [X] US 5598068 A 19970128 - SHIRAI KIYOKAZU [JP]
- [X] EP 0967590 A1 19991229 - HEWLETT PACKARD CO [US]
- [X] US 6242870 B1 20010605 - KOYANAGI HISAKO [JP], et al
- [DA] EP 0891120 A2 19990113 - REITTER & SCHEFENACKER GMBH [DE]

Cited by

EP2563095A3; EP2066149A3; EP2685788A1; CN104412708A; CN105960056A; US9060408B2; US8766540B2; EP2066149A2; WO2009033861A1; WO2013179075A1; WO2006062484A1; WO2014001987A3; US9445466B2; US9554430B2; US9609700B2

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