

Title (en)

System and method for controlling LED cluster

Title (de)

System und Verfahren zur Steuerung eines LED-Clusters

Title (fr)

Système et procédé pour le contrôle de grappe de DEL

Publication

**EP 2273851 A3 20110511 (EN)**

Application

**EP 09163687 A 20090624**

Priority

EP 09163687 A 20090624

Abstract (en)

[origin: EP2273851A2] In one embodiment, a control system is for controlling a lighting system which comprises a cluster (20) of different colour LEDs. The control system comprises a first control unit (24) for generating amplitude values for the different LEDs of the cluster to provide a desired colour point and a second control unit (38) for controlling pulse width values for the different LEDs to provide a desired brightness. Current sources (32) are provided for individually driving the LEDs of the cluster. This system allows the control of colour point to be independent from the control of brightness of the LED cluster. This provides a low cost solution and a fast, accurate and flexible control to a LED cluster.

IPC 8 full level

**H05B 33/08** (2006.01); **H05B 44/00** (2022.01)

CPC (source: EP US)

**G09G 3/2003** (2013.01 - EP US); **G09G 3/3426** (2013.01 - EP); **H05B 45/18** (2020.01 - EP US); **H05B 45/22** (2020.01 - EP);  
**H05B 45/24** (2020.01 - EP); **G09G 2320/041** (2013.01 - EP); **G09G 2360/145** (2013.01 - EP)

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Designated contracting state (EPC)

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