

Title (en)  
Method and device for remote monitoring of LED lamps

Title (de)  
Verfahren und Anordnung zur Fernüberwachung von LED Leuchten

Title (fr)  
Procédé et appareil de télésurveillance de luminaires LED

Publication  
**EP 1274285 A1 20030108 (EN)**

Application  
**EP 02022507 A 20001117**

Priority  
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• US 54324000 A 20000405

Abstract (en)  
A voltage control circuit for controlling the amplitude of a voltage signal on a control terminal of a power controller unit itself controlling a voltage and current supply source which supplies a current to a light-emitting load through first and second voltage and current supply lines, said voltage control circuit comprising: a) means for producing a first trigger voltage in response to the voltage across the first and second lines, said first trigger voltage having an amplitude representative of the amplitude of the voltage across the first and second lines; b) first switch means, connected in series with a high impedance element between said control terminal and one of said first and second lines, for establishing a high impedance current path between said control terminal and said one line when the first trigger voltage reaches a given amplitude, wherein said first switch means comprises means for producing a second trigger voltage having a first amplitude when the high impedance current path is not established and a second amplitude when the high impedance current path is established; and c) second switch means, connected in series with a low impedance element between said control terminal and said one line, for establishing a low impedance current path between said control terminal and said one line when the second trigger voltage has the first amplitude; whereby, when said first trigger voltage has an amplitude lower than said given amplitude, the high impedance current path is not established, a second trigger voltage of first amplitude is produced, and the low impedance current path is established to result in a voltage signal amplitude on said control terminal Which disables said power controller unit and, when the amplitude of the first trigger voltage reaches said given amplitude, the high impedance current path is established, a second trigger voltage of second amplitude is produced, and the low impedance current path is not established to result in a voltage signal amplitude on said control terminal which enables said power controller unit. <IMAGE>

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Citation (search report)  
• [X] CA 2225005 A1 19990617 - ECOLUX INC [CA]  
• [A] WO 9907186 A2 19990211 - KONINKL PHILIPS ELECTRONICS NV [NL], et al  
• [A] FR 2724749 A1 19960322 - SOFRELA SA [FR]  
• [A] WO 9956504 A1 19991104 - KONINKL PHILIPS ELECTRONICS NV [NL], et al

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**WO 0139553 A1 20010531**; AU 1684601 A 20010604; DE 60017709 D1 20050303; DE 60017709 T2 20060406; DE 60043160 D1 20091126; EP 1147687 A1 20011024; EP 1147687 B1 20050126; EP 1274285 A1 20030108; EP 1280383 A1 20030129; EP 1280383 B1 20091014; EP 1280383 B9 20100519

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