

Title (en)  
Panel/chassis mounted indicator lamps.

Title (de)  
An einem Paneel bzw. an einem Rahmen befestigte Anzeigeleuchten.

Title (fr)  
Indicateurs lumineux montés sur panneau/châssis.

Publication  
**EP 0474330 B1 19950719 (EN)**

Application  
**EP 91304471 A 19910520**

Priority  

- GB 9019666 A 19900908
- GB 9019713 A 19900908
- GB 9027045 A 19901213

Abstract (en)  
[origin: EP0474330A2] A panel/chassis mounting indicator lamp comprising a first part in the form of a bush (114), of resilient material for insertion, in use, lengthwise into an aperture (112) in a panel/chassis (113), the bush (114) having a longitudinal through bore (115) and an outwardly extending shoulder (128) at or adjacent one end for limiting the depth of insertion of the bush (114) into the aperture (112). A second part in the form of an LED (110) has a solid plastics body which is received, in use, within the bush bore (115). The outer peripheral surface of the LED body engages with the bush such as to distort the bush so that it is expanded, on the side of the panel/chassis aperture opposite to that engaged by the shoulder (128) sufficiently to prevent withdrawal of the bush from the chassis aperture (112) and to cause the bush to grip the LED (110) to prevent withdrawal of the LED therefrom. <IMAGE> <IMAGE>

IPC 1-7  
**F21Q 3/00**; **F21V 19/00**; **H01L 33/00**

IPC 8 full level  
**F21S 8/00** (2006.01); **F21V 19/00** (2006.01)

CPC (source: EP)  
**F21V 19/002** (2013.01); **F21W 2111/00** (2013.01)

Cited by  
CN101532647A; EP0551175A1

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 0474330 A2 19920311**; **EP 0474330 A3 19920429**; **EP 0474330 B1 19950719**; DE 69111342 D1 19950824

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**EP 91304471 A 19910520**; DE 69111342 T 19910520