

Title (en)  
Safety device for luminaires

Title (de)  
Sicherheitseinrichtung für Leuchten

Title (fr)  
Dispositif de securité pour luminaires

Publication  
**EP 1184620 A3 20050406 (FR)**

Application  
**EP 01500222 A 20010827**

Priority  
ES 200002170 A 20000904

Abstract (en)  
[origin: EP1184620A2] Has a swinging or gyrator or other type of movable support (1) which holds bulbs in use (2) fixed inside a lamp reflector (4), together with replacement bulbs (3). The bulbs are linked to an axis (5) actuated manually, mechanically or automatically. Movement of the axis allows the substitution of a bulb or a group of bulbs with replacements (3). The lamp supply is routed through spherical type contacts (8) which connect a part of the circuit (6) to the lamp (4) and the other part of the circuit (7) is connected to the support which allows disconnection of the blown bulb(s) and connection of replacement bulb(s) when the support is moved by the axis. The system can be automated using a sensor which detects any electric current change.

IPC 1-7  
**F21V 19/04**

IPC 8 full level  
**F21V 19/04** (2006.01)

CPC (source: EP)  
**F21V 19/04** (2013.01)

Citation (search report)  
• [X] DE 1639076 A1 19710121 - MINOX GMBH  
• [X] US 1700226 A 19290129 - HOUSE FRANK R  
• [X] FR 2669991 A1 19920605 - BOSCH GMBH ROBERT [DE]  
• [X] US 4386391 A 19830531 - GULLIKSEN JOHN E, et al

Cited by  
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Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

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