

Title (en)  
Semi-built-in lighting apparatus with concentrated beam

Title (de)  
Halbeingebauter Beleuchtungsapparat mit fokussiertem Bündel

Title (fr)  
Appareil d'éclairage semi-encastré à faisceau concentré

Publication  
**EP 1591716 A3 20061018 (EN)**

Application  
**EP 05103358 A 20050426**

Priority  
IT MI20040201 U 20040430

Abstract (en)  
[origin: EP1591716A2] A semi-built-in lighting apparatus with concentrated beam (10) comprising a containment body or outer casing (13), which is housed in an opening (12) of a false ceiling (11), a bulb socket unit (14), with respective reflector (27), and an outer filling ring (16), in which apparatus the outer filling ring (16) foresees an inner seat (31) for housing at least one glass insert (32) and freely removable fastening means (19, 20) to the containment body or outer casing (13), a central cylindrical element (28, 29) with a limited diameter carrying at least one transparent piece of glass (36, 37) and being fixed in a central hole (33) of said at least one glass insert (32).

IPC 8 full level  
**F21S 8/02** (2006.01); **F21V 3/00** (2006.01); **F21V 21/04** (2006.01); **F21Y 101/00** (2016.01)

CPC (source: EP)  
**F21S 8/02** (2013.01); **F21V 3/00** (2013.01); **F21V 21/04** (2013.01)

Citation (search report)

- [A] FR 2617946 A1 19890113 - PERCHE ETS [FR], et al
- [A] EP 1400746 A2 20040324 - AQUA SIGNAL AG [DE]
- [A] US 3158329 A 19641124 - WINCE VEARL S
- [A] DE 20310475 U1 20031016 - BARTENBACH CHRISTIAN [AT]

Cited by  
GB2572682B

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR LV MK YU

DOCDB simple family (publication)  
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