

Title (en)

Lighting appliance with improved protection against water penetration in its interior

Title (de)

Beleuchtungseinrichtung mit einem verbesserten Schutz gegen das Eindringen von Wasser

Title (fr)

Dispositif d'éclairage comprenant une protection améliorée contre l'intrusion d'eau

Publication

EP 1724522 A3 20070523 (EN)

Application

EP 06112886 A 20060421

Priority

IT MI20050180 U 20050516

Abstract (en)

[origin: EP1724522A2] Lighting appliance with improved protection against water penetration in its interior comprising an outer casing (12, 112) in which there is at least one watertight lighting group (13, 113) in correspondence with at least one opening (14, 114) situated in the casing (12, 112), a shield made of a transparent material (15, 115) being positioned in the at least one opening (14, 114), the casing (12, 112) envisaging housing elements (17, 19; 117, 119) of the watertight lighting group (13, 113).

IPC 8 full level

F21V 31/00 (2006.01); **F21V 15/01** (2006.01); **F21Y 103/00** (2006.01)

CPC (source: EP US)

F21V 15/01 (2013.01 - EP); **F21V 15/013** (2013.01 - EP US); **F21V 31/00** (2013.01 - EP); **F21W 2131/10** (2013.01 - EP); **F21Y 2103/00** (2013.01 - EP US)

Citation (search report)

- [XY] DE 10343878 A1 20050421 - CARL CROON GMBH & CO KG BAUELE [DE]
- [Y] GB 2261239 A 19930512 - CHEESMUR FRANK [GB]
- [YA] GB 2202039 A 19880914 - BICC PLC
- [Y] EP 1195551 A2 20020410 - TEKNOWARE OY [FI]
- [X] US 5486988 A 19960123 - TYSON GLENN M [US]
- [X] EP 0994293 A2 20000419 - WET ENTERPRISES INC [US]
- [X] GB 1175962 A 19700101 - SWIMMING POOLS FILTRATION LTD
- [XA] GB 873458 A 19610726 - ATOMIC ENERGY AUTHORITY UK
- [X] DE 29622200 U1 19970213 - DZ LICHT AUSENLEUCHTEN GMBH & [DE]

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 LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1724522 A2 20061122; EP 1724522 A3 20070523; EP 1724522 B1 20090603; AT E433080 T1 20090615; CN 100565003 C 20091202; CN 1873317 A 20061206; DE 602006007059 D1 20090716; DK 1724522 T3 20091005; ES 2328393 T3 20091112; IT MI20050180 U1 20061117; NO 20062191 L 20061117; PL 1724522 T3 20091231; PT 1724522 E 20090910; SI 1724522 T1 20091231

DOCDB simple family (application)

EP 06112886 A 20060421; AT 06112886 T 20060421; CN 200610082423 A 20060516; DE 602006007059 T 20060421; DK 06112886 T 20060421; ES 06112886 T 20060421; IT MI20050180 U 20050516; NO 20062191 A 20060515; PL 06112886 T 20060421; PT 06112886 T 20060421; SI 200630389 T 20060421