

Title (en)
Waterproof christmas light bulb

Title (de)
Wasserdichte Weihnachtslampe

Title (fr)
Ampoule de noel étanche

Publication
EP 1384942 B1 20060405 (EN)

Application
EP 02016603 A 20020725

Priority
EP 02016603 A 20020725

Abstract (en)
[origin: EP1384942A1] A waterproof Christmas light bulb includes a connection tube (22) formed on top of the socket (20) and having a diameter smaller than a diameter of the socket (20) so that a step (23) is formed at a joint between the socket (20) and the connection tube (22), a bulb (30) partially received in the connection tube (22), an O ring (34) resting on and supported by the step (23), an enclosure (40) securely connected to the connection tube (22) by a securing device so that the O ring (34) is securely clamped between the enclosure (40) and the step (23) of the socket (20), and a plug (50) received in the socket (20) to have a waterproof engagement with the cables (21) and the inner periphery of the hollow socket (20). <IMAGE>

IPC 8 full level
F21V 19/00 (2006.01); **F21S 4/00** (2006.01); **F21V 15/01** (2006.01); **F21V 31/00** (2006.01); **H01R 33/09** (2006.01); **F21V 27/02** (2006.01); **H01R 33/965** (2006.01)

CPC (source: EP)
F21S 4/10 (2016.01); **F21V 15/01** (2013.01); **F21V 19/0005** (2013.01); **F21V 31/00** (2013.01); **H01R 33/09** (2013.01); **F21V 27/02** (2013.01); **H01R 33/965** (2013.01)

Cited by
EP1972849A1; AU2010100308B4; CN112432100A; US10887961B2; EP3246626A1; US2017336063A1; CN107401701A; US7556520B2; US10533738B2

Designated contracting state (EPC)
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