

Title (en)
Punctual fixing device

Title (de)
Punkthalter

Title (fr)
Dispositif de fixation ponctuelle

Publication
EP 1503026 B1 20080827 (DE)

Application
EP 04016175 A 20040709

Priority
DE 10334227 A 20030728

Abstract (en)
[origin: EP1503026A2] The support bolt (7) has a hollow shaft (8). Electric wires (15) for the lamps (13) pass through the central bore (7a) through the bolt. The head of the bolt (9) has a part-spherical surface (9a) engaging a bearing ring (10) with a male thread engaging a female thread (1c) on a housing (1). This has a thread (1a) engaging a threaded end plug (2) with conical surfaces engaging a clamping member (4). A second clamping member (3) is screwed (1b) onto the housing. Elastomer rings (6) bear against the sides of the glass pane (5). The housing passes through a circular hole (5a) in the glass pane. A protective ring (16) occupies part of the space between the housing and the hole and the other part is occupied by a ring (12) holding the lamps.

IPC 8 full level
E06B 3/54 (2006.01); **F21V 33/00** (2006.01)

CPC (source: EP)
E06B 3/5436 (2013.01); **F21W 2107/10** (2017.12)

Cited by
CN107119833A; EP1970966A3; CN105178478A; RU184775U1; US10895365B2; EP2951500A4; WO2018202226A1; US10234616B2; US11070493B2; US11099317B2; US11675120B2

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

DOCDB simple family (publication)
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