

Title (en)
Punctual fixing device

Title (de)
Punkthalter

Title (fr)
Dispositif de fixation ponctuelle

Publication
EP 1503026 A3 20051207 (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 1-7
E06B 3/54; **F21V 33/00**

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)

Citation (search report)

- [A] DE 10052529 A1 20020516 - DORMA GMBH & CO KG [DE]
- [A] EP 1035369 A2 20000913 - POELLET WILFRIED [DE]
- [A] DE 20304038 U1 20030612 - SOLINGGLAS BAU UND VEREDELUNGS [DE]
- [A] WO 9963193 A1 19991209 - DORMA GMBH & CO KG [DE], et al
- [A] EP 1243739 A1 20020925 - SWS GLASBAUBESCHLAEGE GMBH [DE]

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

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