

Title (en)

Supporting device for supporting a roller, especially a roller of an awning

Title (de)

Stützvorrichtung zum Abstützen eines Wickelballens, insbesondere eines Markisentuchballens

Title (fr)

Dispositif de support pour supporter un enrouleur, notamment un enrouleur d'une marquise

Publication

EP 1835089 B1 20160601 (DE)

Application

EP 06023189 A 20061108

Priority

DE 102006011431 A 20060313

Abstract (en)

[origin: EP1835089A2] The device has a supporting surface (51) with friction-reducing inserts (54) and/or supports formed by brushes and/or fiber blanket. The friction-reducing inserts and/or the supports are formed in a form of strips that are parallel to an axial of a winding shaft. The inserts and/or the supports are glued on the supporting surface, where the supporting surface has a concave form e.g. a partial-cylindrical form. An independent claim is also included for a sun-shade and/or vision protection device.

IPC 8 full level

E04F 10/06 (2006.01)

CPC (source: EP)

E04F 10/0677 (2013.01); **E04F 10/0688** (2013.01); **E04F 10/0662** (2013.01); **E04F 10/0692** (2013.01)

Citation (opposition)

Opponent : Warema Renkhoff SE

- FR 2223542 A1 19741025 - LAUZIER RENE [FR]
- EP 1416102 A2 20040506 - DOMETIC CORP [US]
- EP 0745742 A2 19961204 - WEIERMANN DIETER WEINOR [DE]
- DE 2620112 A1 19761118 - LAUZIER BOURGOIN JALLIEU SA
- EP 1637668 A2 20060322 - LUKOS STEPHEN [DE]
- DE 29902839 U1 19990520 - WEIS HELGE [DE]
- "Kassetten-Markise Typ 880", WAREMA BROSCHÜRE, 2004, XP055361905
- "Warema Kassetten-Markisen - Technik", WAREMA BROSCHÜRE TK455304-01.011202.FM, 2 January 2003 (2003-01-02), pages 1 - 32, XP055361912
- GRIMMER: "Gleitschutz fuer lagerschale; partiell - MARK 880 (Art. nr. 316198)", KONSTRUKTIONSSZEICHNUNG WAREMA, 21 August 2001 (2001-08-21), XP055361918
- "Massanleitung Kassetten-Markise Typ 880 gekuppelte Anlage mit durchgehendem Tuch", WAREMA BROSCHURE, 25 November 2003 (2003-11-25), XP055361924
- "Warema Kassetten-Markise Typ 880 - Ersatzteilliste", WAREMA BROSCHÜRE E458001-01.010704, July 2004 (2004-07-01), pages 1 - 8, XP055361930

Cited by

EP3354840A1; ITBO20120178A1; EP3812530A1; EP2360329A2

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

DOCDB simple family (publication)

EP 1835089 A2 20070919; EP 1835089 A3 20140827; EP 1835089 B1 20160601; DE 202006021284 U1 20140930

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