

Title (en)  
Self-supporting articulated arm cartridge awning for vehicles

Title (de)  
Freitragende Gelenkarm-Kassetten-Markise für Fahrzeuge

Title (fr)  
Store à cassette à bras articulé en porte-à-faux pour véhicules

Publication  
**EP 2787142 A3 20141022 (DE)**

Application  
**EP 13005960 A 20131220**

Priority  
DE 202012012282 U 20121224

Abstract (en)  
[origin: US2016115705A1] The embodiments relate to a self-supporting articulated-arm cassette awning, in particular for motor homes or trailers, comprising articulated arms (20) that are pivotable at awning arm joints or shoulder joints (10), and brackets or shoulders (II) for connecting the entire awning (100) to the vehicle by means of fastening elements and for receiving joint pins (I) in an insertable, in particular, slidable manner and for at least limiting the twistability of joint pins (I) of those parts of the awning arm joint or shoulder joint that are fixed to the vehicle. Desirable is a compact, continuously variable twisting arrangement for the joint pin which, at the same time, is capable of absorbing the high torques of the extended awning. This is achieved in that at least one, in particular, at least one multi-part bracing or clamping means (III, IV) is provided which can be inserted, in particular slid, into at least one of the brackets or shoulders (II) and which acts in particular radially with regard to the brackets or shoulders (II). The bracing or clamping means (III, IV) can be twisted with regard to the associated bracket or shoulder (II) about its longitudinal axis (12), at least to a limited degree, and receives the joint pin (I) in a positive- or nonpositive-locking manner. Alternatively or additionally it is proposed that at least one height adjustment and/or tilt adjustment means and at least one twisting means of the associated joint pin (I), which twisting means is continuously adjustable about its longitudinal axis, are arranged coaxial to each other in the bracket (II).

IPC 8 full level  
**E04F 10/06** (2006.01)

CPC (source: EP US)  
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Citation (search report)  
• [IA] DE 1683188 A1 19710121 - LOSBERGER PLAN  
• [A] DE 2319376 A1 19741031 - BARTH MARKISE HELMUTH BARTH  
• [A] DE 7502964 U

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DE102017215282A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**DE 202012012282 U1 20140404**; EP 2787142 A2 20141008; EP 2787142 A3 20141022; US 10066415 B2 20180904; US 2016115705 A1 20160428

DOCDB simple family (application)  
**DE 202012012282 U 20121224**; EP 13005960 A 20131220; US 201514985694 A 20151231