

Title (en)  
Folding conservatory awning - roof

Title (de)  
Faltbares Wintergartenmarkisendach

Title (fr)  
Auvent/toit pliant de jardin d'hiver

Publication  
**EP 2455561 A2 20120523 (EN)**

Application  
**EP 11386019 A 20111013**

Priority  
GR 20100100633 A 20101103

Abstract (en)  
The invention is a folding conservatory awning - roof, a shading - roofing system, with two or more guide rails (2), on which are being moved slats (1,7) by sliders (4,12) and by a connection array with rack arms (3,5), sliders (4,12) that can slide inside and on the upper part of guide rails (2). The first slider opposite the guide rails (2) mounting bar (11) is the motion slider (4) and is connecting with the motorized operating system. The motorized operating system around the motor's tube (15) and underneath its mountings on guide rails (2), may have a torsion spring balance (16), with its ends adjusted on rings (17,18). One of the rings(17), is adjusted on motor's tube grooves (15) and turns around with it. The other ring (18) is fixed and discharges by opening the conservatory awning (retract, not protecting open area), helping the electric motor. One of the rest sliders (12) except the motion slider, must be locked, for the concentration position of slats, by opening the conservatory awning, to be determined. The locked slider (12) also determines the power of the motorized operating system, that needs to move the conservatory awning. The guide rails (2) are mounting on a mounting bar (11) that is jointed on fixing bracket (13). The guide rails can change their relative position, by at their length direction in relation to the mounting bar (11), since there is the cheek (10) that is fixed on the guide rails (2) with bolts (8).

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

CPC (source: EP GR)  
**E04B 7/163** (2013.01 - GR); **E04B 7/166** (2013.01 - GR); **E04F 10/0607** (2013.01 - GR); **E04F 10/10** (2013.01 - EP GR); **E06B 7/082** (2013.01 - GR); **E06B 7/086** (2013.01 - GR); **E04F 10/0607** (2013.01 - EP)

Citation (applicant)  
GR 1006730 B 20100421 - METAFORM A V E E

Cited by  
CN105888366A; IT201800011091A1; CN111962737A; CN106760683A; ITM120121911A1; EP2730714A1; DE102013203084A1; CN106818338A; DE102013203084B4; US10934770B2; WO2019186213A1; US10604940B2; WO2013014303A3

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)  
**EP 2455561 A2 20120523**; **EP 2455561 A3 20130313**; **EP 2455561 B1 20140716**; GR 1007670 B 20120824; GR 20100100633 A 20120614; PL 2455561 T3 20141231

DOCDB simple family (application)  
**EP 11386019 A 20111013**; GR 20100100633 A 20101103; PL 11386019 T 20111013