Title (en)

SUNSHADE APPARATUS AND METHOD FOR ITS USE.

Title (de)

SONNENBLENDENVORRICHTUNG UND VERFAHREN ZU DEREN VERWENDUNG

Title (fr)

APPAREIL DE TYPE PARE-SOLEIL ET SON PROCÉDÉ D'UTILISATION

Publication

EP 3237715 A1 20171101 (EN)

Application

EP 15818057 A 20151214

Priority

- IT BO20140724 A 20141223
- IT BO20140725 A 20141223
- IB 2015059569 W 20151214

Abstract (en)

[origin: WO2016103101A1] A sunshade apparatus (1) comprises a plurality of slats (2); a connecting mechanism (7) configured to connect together the slats (2) and rotate them about respective longitudinal axes; a lifting shaft (6), coupled to a motor (13); a first lift pulley (8), coupled to the lifting shaft (6), and a second lift pulley (8a); a lifting element (9) connected to the first and the second lift pulley (8,8a), in a closed loop configuration, and connected to a last slat (2a), distal from the lifting shaft (6), to move the slats (2) in the direction of movement; a tilt pulley (11) connected to the connecting mechanism to actuate it in order to modify the tilt of the slats (2) and operatively connected to the lifting shaft (6) by means of a clutch (14), so that a rotation of the lifting shaft (6) in a first direction causes rotation of the tilt pulley (11) up to a configuration of maximum or minimum tilt of the slats (2) and a further rotation of the lifting shaft (6) in the first direction causes slipping of the tilt pulley (11) on the clutch (14).

IPC 8 full level

E06B 9/302 (2006.01); **E06B 9/322** (2006.01)

CPC (source: EP IL)

E06B 9/302 (2013.01 - EP IL); **E06B 9/322** (2013.01 - EP IL)

Citation (search report)

See references of WO 2016103101A1

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)

WO 2016103101 A1 20160630; EP 3237715 A1 20171101; EP 3237715 B1 20190327; EP 3237716 A2 20171101; EP 3237716 B1 20190417; EP 3536890 A1 20190911; EP 3536890 B1 20200826; ES 2721013 T3 20190726; ES 2724990 T3 20190918; ES 2834643 T3 20210618; HR P20201851 T1 20210108; IL 252313 A0 20170731; IL 252313 B 20210131; IL 279802 A 20210131; IL 279802 B 20211201; PL 3536890 T3 20210308; SG 10202105363Y A 20210729; SG 11201704266X A 20170728; SI 3536890 T1 20210331; WO 2016103102 A2 20160630; WO 2016103102 A3 20160818

DOCDB simple family (application)

IB 2015059569 W 20151214; EP 15818057 A 20151214; EP 15820279 A 20151214; EP 19167805 A 20151214; ES 15818057 T 20151214; ES 15820279 T 20151214; ES 19167805 T 20151214; HR P20201851 T 20201120; IB 2015059574 W 20151214; IL 25231317 A 20170516; IL 27980220 A 20201227; PL 19167805 T 20151214; SG 10202105363Y A 20151214; SG 11201704266X A 20151214; SI 201531412 T 20151214