Title (en)
   Awning locking mechanism.

Title (de)
   Verriegelungsvorrichtung für Markisen.

Title (fr)
   Moyens de verrouillage des stores.

Publication
   EP 0509471 A1 19921021 (EN)

Application
   EP 92106485 A 19920415

Priority
   IT BO910066 U 19910419

Abstract (en)
   Mechanism for locking an awning comprising a casing (1) composed of a rear profiled element (2) and of a front profiled element (4) which is connected to the rear profiled element by means of a pair of articulated arms which, in folded position, are accommodated in the casing, and a shaft (9) for rolling up the sheet (10) which constitutes the awning; the shaft is supported so as to be able to rotate by a pair of brackets (21) which are rigidly associated with the rear profiled element; the mechanism is characterized in that two respective gears (28) are keyed on the opposite ends of the shaft, and transmit their motion to respective second gears (29) which have an axial collar (31) in which at least one recess (32) is defined and to which the hook-like end of an oscillating lever (42) engages in the awning closure position; the lever is actuated in engagement position by spring means (38) and can be disengaged in order to allow the spacing of the front profiled element from the rear profiled element when the hook-like end of the lever is aligned at the recess by means of the rotation of the shaft. <IMAGE>

IPC 1-7
   E04F 10/06; E06B 9/17

IPC 8 full level
   E04F 10/06 (2006.01); **E06B 9/17** (2006.01)

CPC (source: EP)
   E04F 10/0618 (2013.01); **E04F 10/0662** (2013.01); **E04F 10/0688** (2013.01); **E06B 9/17** (2013.01); **E06B 9/17046** (2013.01)

Citation (search report)
   • [Y] US 4997021 A 19910305 - BRUTSAERT LOUIS [BE]
   • [Y] CH 148425 A 19310731 - KASTNER RICHARD [DE]
   • [A] EP 0230476 A1 19870805 - POZZI CARLO MAURIZIO
   • [AP] FR 2656372 A1 19910628 - BRUTSAERT LOUIS [BE]

Cited by
   EP0627533A1; FR2707332A1; ES2121641A1; CN116411685A

Designated contracting state (EPC)
   BE DE ES FR GR PT

DOCDB simple family (publication)
   EP 0509471 A1 19921021; IT 224717 Z2 19960627; IT BO910066 U1 19921019; IT BO910066 V0 19910419

DOCDB simple family (application)
   EP 92106485 A 19920415; IT BO910066 U 19910419