

Title (en)

Manually operated structure providing shade

Title (de)

Manuell betätigbare Struktur zur Beschattung

Title (fr)

Structure manuellement opérable pour procurer de l'ombre

Publication

EP 2796644 A1 20141029 (EN)

Application

EP 14165091 A 20140417

Priority

IT PD20130107 A 20130423

Abstract (en)

A manually operated structure (1; 50) providing shade comprising a laminar surface (2, 3) which is spread at a given height from the ground (T) for covering an area below (A), a winding shaft (4; 51), which develops along a first longitudinal axis (Z) and to which the laminar surface (2, 3) is firmly bound, suitable to be associated through fastening means (5) with a reference surface (S) facing the area below (A), actuation means (6; 52) able to rotate the winding shaft (4; 51) around the first longitudinal axis (Z) so as to cause winding/unwinding of the laminar surface (2, 3) from/on the winding shaft (4; 51) and place it between the complete uncovering position of the area below (A) and a plurality of at least partial covering position of the area below (A), and tightening means (7) connecting each other the laminar surface (2, 3) and the actuation means (6; 52). In particular, the actuation means (6; 52) comprise self-braking means (8; 53) coupled with the reference surface (S) at a height from the ground (T) such that to be accessible by the users and, during unwinding/winding of the laminar surface (2, 3), mechanically cooperating with elastic means internally integral with the winding shaft (4; 51) and suitable to be loaded/released during unwinding/winding of the laminar surface (2, 3) as a result of the rotation of the winding shaft (4; 51), in such a way that manual moving of the self-braking means (8; 53) causes progressive and continuous passage of the laminar surface (2, 3) from the complete uncovering position of the area below (A) to the plurality of at least partial covering position of the area below (A) and vice versa.

IPC 8 full level

E04H 15/58 (2006.01)

CPC (source: EP)

E04H 15/58 (2013.01); **E04F 10/0655** (2013.01)

Citation (applicant)

AT 506083 A4 20090615 - PLASPACK NETZE GMBH [AT]

Citation (search report)

- [XAYI] AT 506083 A4 20090615 - PLASPACK NETZE GMBH [AT]
- [Y] EP 2216460 A1 20100811 - VELOMBRA S R L [IT]
- [Y] EP 1914365 A2 20080423 - WAREMA RENKHOFF GMBH & CO KG [DE]

Cited by

IT201800003419A1

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 2796644 A1 20141029; IT PD20130107 A1 20141024

DOCDB simple family (application)

EP 14165091 A 20140417; IT PD20130107 A 20130423