

Title (en)  
SYSTEM FOR COVERING AND SHADING A GROUND AREA

Title (de)  
SYSTEM ZUR ABDECKUNG UND VERDECKUNG EINER BODENFLÄCHE

Title (fr)  
SYSTEME DE COUVERTURE ET D'OMBRAGE D'UNE ZONE AU SOL

Publication  
**EP 3527741 A1 20190821 (EN)**

Application  
**EP 19157074 A 20190214**

Priority  
IT 201800002763 A 20180216

Abstract (en)  
A covering and shading system (1) with a pair of bearing poles (2A, 2B) for supporting a shaft (4), a pair of tensioning poles (5A, 5B) for supporting pulleys (8A, 8B), a sheet element (9) adapted to be wound/unwound on the shaft (4), means (13) for rotating the drive shaft (4), a first cable (16) returned on the pulleys (8A, 8B) with ends (17A, 17B) connected to the element (9), a second cable (19) with one end (20B) interacting with the shaft (4) and one end (20A) interacting with the first cable (16), a third cable (23) with one end (24A) interacting with the first cable (16) and the opposite end (24B) connected to elastic counteracting means (26). The means (13) comprise a drum (14) on which the end (20B) is wound and the elastic means (26) are housed in one of the bearing poles (2B) and comprise a spring (27) which extends coaxial therewith to be protected from the outside environment. The spring (27) has a portion (27') connected to the end (24B) and a portion (27'') secured to the lower end (3) of the pole (2B) which has a pulley (29) for returning the third cable (23). The end (20B) is wound on the drum (14) in an orthogonal direction from top to bottom and the ends (20A, 20B, 24A) are placed above the shaft (4) to avoid any contact and risk of injury to users.

IPC 8 full level  
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Citation (search report)  
• [YD] EP 2765254 A1 20140813 - HOEKSTRA ALEXANDER [BE]  
• [Y] DE 10333407 A1 20050210 - HERZOG GMBH & CO KG [DE]  
• [A] WO 2016181303 A1 20161117 - SAILSHADOW S R L [IT]

Cited by  
EP4033047A1; DE102020133049A1

Designated contracting state (EPC)  
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Designated extension state (EPC)  
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