

Title (en)
Pleated screen device

Title (de)
Gefaltete Scheibenvorrichtung

Title (fr)
Dispositif d'écran plissé

Publication
EP 1903175 B1 20101110 (EN)

Application
EP 07018476 A 20070920

Priority
IT TO20060671 A 20060921

Abstract (en)
[origin: EP1903175A2] Described herein is a pleated screen device constituted by a screen (10) inserted between vertical sectional elements (11 and 12), the first one (11) of which is fixed and the second one (12) can be moved manually from a position in which it is set up against the fixed sectional element (11) and the screen (10) is closed, folded up on itself, to a position in which the mobile sectional element (12) is set up against the frame of the framework for containing the device and the screen (10) is open; the mobile sectional element (12) is guided in its movements of translation through chain guide means, a top one (14) and a bottom one (15), which are able to slide in respective guides made in the frame of the framework; extending in a direction transverse to the screen (10) are cords (18 and 19), which at one end of their own are fixed to the mobile sectional element (12) and extend along the screen (10) as far as the fixed sectional element (11), where they are prolonged to form a tensioning system; one (18) of the cords, if the cords number two, or else a set of cords, if the cords number more than two, extends (18') in the fixed sectional element (11), passing through a hole thereof, downwards as far as a return roller (20) fixed to a base body (21) applied in a removable way to the fixed sectional element (11) and proceeds (18'') as far as the end element (15') of the bottom guide chain (15) to which it is fixed (23); the other cord or set of cords (19) also enters with its extension (19') in the fixed sectional element (11), through another hole, and proceeds upwards as far as a second return roller (25) fixed to a top body (22), which is also applied in a removable way to the fixed sectional element (11); said extension (19') proceeds (19'') as far as the end element (14') of the top guide chain (14) to which it is fixed (24).

IPC 8 full level
E06B 9/52 (2006.01)

CPC (source: EP)
E06B 9/52 (2013.01)

Cited by
DE102009011914A1; WO2013103296A1; WO2013015689A1; US11505990B2; JP2014523988A; EP2400105A1; ITMI20101138A1; EP2570582A3; ES2399268R1; EP2436870A2; WO2012117262A1; WO2013124695A1; WO2015079267A1; US10041294B2; EP2530236A2; WO2019162709A1; EP2487317B1; EP2570582A2; EP3670820A1; IT201800011151A1; EP2487317A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1903175 A2 20080326; EP 1903175 A3 20090513; EP 1903175 B1 20101110; AT E487846 T1 20101115; DE 602007010396 D1 20101223; ES 2355986 T3 20110401; IT TO20060671 A1 20080322

DOCDB simple family (application)
EP 07018476 A 20070920; AT 07018476 T 20070920; DE 602007010396 T 20070920; ES 07018476 T 20070920; IT TO20060671 A 20060921