

Title (en)
Roller screen device

Title (de)
Rollenrostvorrichtung

Title (fr)
Dispositif de crible-classeur à rouleaux

Publication
EP 1905944 A2 20080402 (EN)

Application
EP 07018475 A 20070920

Priority
IT TO20060670 A 20060921

Abstract (en)
Described herein is a roller screen device constituted by a fixed sectional element (10) and a mobile sectional element (11) that is able to move parallel to the fixed sectional element inside a frame contained in which is a screen (13), the mobile sectional element (11) bearing a roller (12) inside it, wound on which is the screen (13), which, at the other end, is anchored to the fixed sectional element (10). Guide elements (14 and 24) for guiding the mobile sectional element (11) are positioned at the top and at the bottom of the screen (13) and fixed at one end of their own to the mobile sectional element (11), whilst the other ends of the guide elements (14) slide into the fixed sectional element (10). Moreover provided is a system for tensioning the guides (14 and 24), which acts during the steps of opening and closing of the screen (13). The tensioning system consists of a thread (20), which extends starting from the end (21) of the top guide (14) that slides in the fixed sectional element (10) towards and around a bottom roller (22) and from here to the end (23) of the bottom guide (24), which slides in the fixed sectional element (10), to proceed to and around a top roller (25) and from here to the end (21) of the top guide (14) so closing to form a loop.

IPC 8 full level
E06B 9/54 (2006.01); **E06B 9/58** (2006.01)

CPC (source: EP)
E06B 9/54 (2013.01); **E06B 9/58** (2013.01); **E06B 2009/543** (2013.01)

Citation (applicant)
EP 0099335 A1 19840125 - CIBA GEIGY AG [CH]

Cited by
WO2013103296A1; ITBO20110614A1; IT202100019901A1; EP2570582A3; ES2399268R1; EP4124718A1; IT202100019895A1; EP3517805A1; EP2333229A2; EP2436870A2; WO2013064308A1; WO2016189424A1; EP2407628A2; EP2469009A1; EP2570582A2; EP2530236A2; EP2487317B1; EP2487317A1

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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

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1905944 A2 20080402; **EP 1905944 A3 20090513**; **EP 1905944 B1 20100217**; AT E458120 T1 20100315; DE 602007004788 D1 20100401; ES 2341297 T3 20100617; IT TO20060670 A1 20080322

DOCDB simple family (application)
EP 07018475 A 20070920; AT 07018475 T 20070920; DE 602007004788 T 20070920; ES 07018475 T 20070920; IT TO20060670 A 20060921