

Title (en)
SPRING-HOLDER DEVICE FOR ROLLER SHUTTERS AND GATES

Title (de)
FEDERHALTERVORRICHTUNG FÜR ROLLLÄDEN UND TORE

Title (fr)
DISPOSITIF DE SUPPORT DE RESSORT POUR BARRIERES ET VOLETS ROULANTS

Publication
EP 1945900 A1 20080723 (EN)

Application
EP 05813688 A 20051011

Priority
IT 2005000591 W 20051011

Abstract (en)
[origin: WO2007043069A1] A spring-holder device (1) is disclosed for roller shutters and gates that has parts that can be mutually composed and is made of lightweight and self-lubricating material, that preferably comprises at least two mutually equal supporting disks (10a, 10b) for a shutter or gate that are equipped with a central through-hole (12) adapted to allow the passage of a fixed winding shaft of the shutter and with quick-connection securing means of a plurality of spacers (16) adapted to equally connect and to suitably mutually space the two disks (10a, 10b) that are adapted to rotate around the winding shaft.

IPC 8 full level
E06B 9/60 (2006.01)

CPC (source: EP)
E06B 9/60 (2013.01)

Citation (search report)
See references of WO 2007043069A1

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2007043069 A1 20070419; AT E455930 T1 20100215; DE 602005019117 D1 20100311; EP 1945900 A1 20080723; EP 1945900 B1 20100120

DOCDB simple family (application)
IT 2005000591 W 20051011; AT 05813688 T 20051011; DE 602005019117 T 20051011; EP 05813688 A 20051011