

Title (en)
Driving device for a retractable bollard

Title (de)
Antriebsvorrichtung für einen ausfahrbaren Pfosten

Title (fr)
Dispositif de commande pour borne rétractable

Publication
EP 2267226 A3 20150902 (EN)

Application
EP 10380081 A 20100618

Priority
• ES 200901040 U 20090618
• ES 200901041 U 20090618

Abstract (en)
[origin: EP2267226A2] The device comprises a linear actuator (1) comprises a fixed body (1a) connected to the stationary structure (2) and an extendible rod (1b) connected by means of a transmission (3a, 3b) to a mobile support (4) on which is fixed a bollard (5). Said transmission (3a, 3b) comprises a first flexible pull element (3a) and a second flexible pull element (3b) connected to a mobile drive element (7) connected to the mobile support (4). Said first and second flexible pull elements (3a, 3b) are linked to a distal end of the extendible rod (1b) and supported on respective first and second stationary pulleys (9, 10) installed in opposite sides with respect to said mobile drive element (7), the first and second flexible pull elements (3a, 3b) comprising several spans substantially parallel to a movement direction of the mobile support (4).

IPC 8 full level
E01F 13/04 (2006.01)

CPC (source: EP)
E01F 13/046 (2013.01)

Citation (search report)
• [A] CN 101078202 A 20071128 - GUOJI LU [CN]
• [A] FR 2687702 A1 19930827 - VASSAL PATRICK [FR]

Cited by
ITTO20120250A1; US9328470B2; WO2022147192A1; WO2013140338A1

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 SE SI SK SM TR

Designated extension state (EPC)
BA ME RS

DOCDB simple family (publication)
EP 2267226 A2 20101229; EP 2267226 A3 20150902

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