

Title (en)
AUTONOMIC BOLLARD WITH VARIABLE HEIGHT

Publication
EP 0432067 B1 19930120 (FR)

Application
EP 90430022 A 19901107

Priority
FR 8914762 A 19891108

Abstract (en)
[origin: EP0432067A1] The subject of the present invention is a self-contained bollard with variable height, comprising a vertically mobile equipment (40), to which is fixed a bollard (41), and cooperating with a frame (1), fixed to a box section (2), whose rising is ensured by a mechanism (42) such a jack supported in the bottom of the box section (2) and connected to the said mobile equipment (40), and furthermore comprising devices for locking and clamping in the high or low position the said mobile equipment (40) and its bollard (41), operated by a spanner (30/70) cooperating with a bolt, characterised in that the said clamping device comprises an assembly comprising a central rocker (5) and two clamping levers (3/4) mounted in a pivoting manner on either side of the said central rocker, this assembly being located on the side of the said mobile equipment (40) and extending in the direction of the height of the frame (1), in that the ends (5a/5b) of the said rocker (5) are in contact with one of the ends (3a/4a) of each pivoting lever (3/4) and in that the other ends (3b/4b) of the said levers (3/4), are subjected to the action of springs (10/11) bearing on the frame (1) and tending to push back the said levers (3/4) so that, in an inclined position of the rocker (5) imparted by operating the said spanner (30/70), one or other of the levers (3/4) is put in a high or low clamping position, the said levers (3/4) alternately engaging on the said mobile equipment (40) for the purpose of its momentary immobilisation and correlatively that of the bollard (41) in a high or low position. <IMAGE>

IPC 1-7
E01F 13/00

IPC 8 full level
E01F 13/00 (2006.01); **E01F 13/04** (2006.01)

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

Cited by
FR2681111A1; FR2674878A1; FR2686105A1; US5462384A; CN112796253A; WO9314272A1; WO9305235A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0432067 A1 19910612; EP 0432067 B1 19930120; AT E84827 T1 19930215; DE 69000805 D1 19930304; DE 69000805 T2 19930527; ES 2038048 T3 19930701

DOCDB simple family (application)
EP 90430022 A 19901107; AT 90430022 T 19901107; DE 69000805 T 19901107; ES 90430022 T 19901107