

Title (en)

Hydraulically operable security post.

Title (de)

Hydraulisch ausfahrbare Sperre.

Title (fr)

Dispositif de borne escamotable hydrauliquement.

Publication

**EP 0570312 A1 19931118 (FR)**

Application

**EP 93440036 A 19930415**

Priority

FR 9204896 A 19920415

Abstract (en)

It comprises two casings (2, 3) buried side by side in the ground, the first casing (2) containing a post (bollard) (20) capable of sliding vertically under the action of a jack (25) of vertical axis, which is connected, via a hose (46) passing from casing (3) to casing (2), to a hydraulic unit (4) located in the second casing (3), which is hermetically covered by a plate (30). <IMAGE>

IPC 1-7

**E01F 13/00**

IPC 8 full level

**E01F 13/04** (2006.01)

CPC (source: EP)

**E01F 13/046** (2013.01)

Citation (search report)

- [X] DE 2158977 A1 19730607 - FISCHER STAHLBAU
- [Y] GB 2247266 A 19920226 - HIGGINSON BARRY [GB], et al
- [Y] DE 2356609 A1 19750528 - HUBER SIGNALBAU MUENCHEN
- [A] DE 3801342 A1 19890727 - MALKMUS DOERNEMANN CAROLA [DE]
- [A] FR 2596782 A1 19871009 - VERRA YVAN [FR]

Cited by

FR2847279A1; FR2715674A1; CN108343001A; EP1650350A1; WO2004048702A1; WO9530052A1

Designated contracting state (EPC)

BE CH DE ES FR GB IT LI NL

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