

Title (en)

Means for allowing or obstructing entrance of a vehicle, of the retractable bollard type

Title (de)

Anlage zum Sperren oder Freigeben eines Fahrzeugzuganges, mittels eines versenkbaren Pfostens

Title (fr)

Dispositif pour permettre ou empêcher le passage d'un véhicule, du type borne escamotable

Publication

**EP 0945550 B1 20011128 (FR)**

Application

**EP 99470009 A 19990322**

Priority

FR 9803782 A 19980323

Abstract (en)

[origin: EP0945550A2] The retractable post has a base (2) set in the ground, and a vertically mobile post (3) which retracts to ground level to allow passage of a vehicle and projects above the ground to prevent passage. The post is raised and lowered by a motor-reduction gear unit (4) with a pulley which winds on or off a belt or cable (21) to lift or lower the post.

IPC 1-7

**E01F 13/04**

IPC 8 full level

**E01F 13/04** (2006.01)

CPC (source: EP)

**E01F 13/046** (2013.01)

Cited by

WO2019215397A1; EP2497860A1; FR2847279A1; FR2874035A1; FR3080865A1; FR2972467A1; WO2004048702A1; WO2006024787A1; FR2869629A1; US8579540B2

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