

Title (en)

Retractable bollard

Title (de)

Versenkbarer Poller

Title (fr)

Poteau descendant

Publication

**EP 2402510 B1 20180502 (DE)**

Application

**EP 11450063 A 20110524**

Priority

AT 4112010 U 20100630

Abstract (en)

[origin: EP2402510A2] The bollard has a lift drive (8) comprising an endless traction unit (11), which is guided over an upper driven guide wheel (9) and a lower free rotatable guide wheel (10). A drive shaft (14) for the upper guide wheel supports an actuating cam (16) for pivoting a locking hook (18) in a releasing position, which releases a locking stop (19). The upper guide wheel possesses an actuator (15), which limits a freewheel angle of the upper wheel against the shaft and cooperates with the actuating cam. The upper guide wheel is freely rotated on the drive shaft.

IPC 8 full level

**E01F 13/04** (2006.01)

CPC (source: EP)

**B63B 21/06** (2013.01); **E01F 13/046** (2013.01); **E02B 3/20** (2013.01)

Cited by

CN111074810A

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 RS SE SI SK SM TR

DOCDB simple family (publication)

**AT 11923 U1 20110715**; EP 2402510 A2 20120104; EP 2402510 A3 20161214; EP 2402510 B1 20180502

DOCDB simple family (application)

**AT 4112010 U 20100630**; EP 11450063 A 20110524