

Title (en)

Retractable barriers

Title (de)

Versenkbarer Absperrrpfosten

Title (fr)

Bornes escamotables

Publication

**EP 1277884 A2 20030122 (EN)**

Application

**EP 02253242 A 20020509**

Priority

GB 0117626 A 20010719

Abstract (en)

A retractable throughway barrier (10) comprising a casing (12) to be embedded in the ground, and a hollow bollard (20) to be expelled outwardly of or retracted inwardly of the casing (12). The hollow bollard (20) is provided with a member (21) susceptible to magnetisation and provided with an upstanding surface. Guide means (15) are provided between the casing (12) and the bollard (20) to guide the bollard (20) during its aforesaid motions. Drive means (22) is provided within the hollow bollard (20) to move the bollard (20) as aforesaid, said drive means (22) including a magnetic body (45) magnetically coupled to the said member (21) and having a surface in rolling contact with said upstanding surface. <IMAGE>

IPC 1-7

**E01F 13/04**; **E01F 9/019**

IPC 8 full level

**E01F 9/646** (2016.01); **E01F 13/04** (2006.01)

CPC (source: EP)

**E01F 9/646** (2016.02); **E01F 13/046** (2013.01)

Citation (applicant)

GB 127559 A 19200415 - BENENATI FRANCIS SALVATOR [US]

Cited by

DE102009054224A1; GB2421974A; FR2930789A1; CN112813887A; US2019368218A1; US10731374B2; WO2013081474A1; WO2016160115A1

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**EP 1277884 A2 20030122**; **EP 1277884 A3 20031210**; GB 0117626 D0 20010912; GB 2377725 A 20030122

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