

Title (en)
ONE-WAY PIVOTING BOLLARD

Title (de)
EINSEITIG DREHBARER POLLER

Title (fr)
BOLLARD PIVOTANT UNIDIRECTIONNEL

Publication
EP 3741915 A1 20201125 (EN)

Application
EP 19201412 A 20191004

Priority
KR 20190059568 A 20190521

Abstract (en)
Disclosed is a one-way pivoting bollard, which includes: a bottom fixing unit (110) fixed to a ground surface by means of at least one anchor (111); a pillar disposed at an upper side of the bottom fixing unit to extend in a vertical direction; and a pivoting direction control unit (120) having one side coupled to the bottom fixing unit and the other side coupled to the pillar so that the pillar at the upper side of the bottom fixing unit is pivoted in one direction and restricted not to pivot in another direction, wherein the bottom fixing unit includes: a body (112) having an acceptable space formed therein and a cut portion (1121) formed at an upper surface thereof; and a barrier (113) horizontally coupled to the acceptable space of the body to form an open region at one side thereof so that the acceptable space is divided into an upper acceptable portion (US) and a lower acceptable portion (LS). The one-way pivoting bollard may prevent a vehicle from entering the sidewalk by restricting pivoting of the pillar when an external force acts from the roadway toward the sidewalk and allows the pillar to pivot when an external force acts from the sidewalk toward the roadway, thereby prohibiting a shock not to be transmitted directly to the pedestrian.

IPC 8 full level
E01F 9/627 (2016.01)

CPC (source: EP KR)
E01F 9/623 (2016.02 - KR); **E01F 9/629** (2016.02 - EP); **E01F 9/673** (2016.02 - KR); **E01F 13/105** (2013.01 - KR)

Citation (search report)

- [A] EP 2267225 A1 20101229 - WOLTERS GERARD [BE]
- [A] EP 0571082 A1 19931124 - AVON POLYMER PROD LTD [GB]
- [A] KR 20000020872 U 20001215

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3741915 A1 20201125; KR 102027341 B1 20191001

DOCDB simple family (application)
EP 19201412 A 20191004; KR 20190059568 A 20190521