

Title (en)

Improved gully top and manhole top for vehicular and pedestrian areas

Title (de)

Verbesserte Strassenablauf und Mannloch für Fussgänger- und Fahrzeuggebiete

Title (fr)

Ensemble d'avaloir de chaussée et regard de chaussée amélioré pour zones piétonnes et de trafic

Publication

EP 0814204 A1 19971229 (EN)

Application

EP 97108378 A 19970523

Priority

- IT VI960086 A 19960523
- IT VI960085 U 19961108

Abstract (en)

The invention concerns a perfected gully and manhole top (1; 100; 201) for zones where the circulation is permitted to pedestrians and vehicles comprising: a frame (2; 520; 202) applied on the outline of an opening (20) realized on the ground (3); and a lid (4; 54; 204; 240) connected to said frame (2; 520; 202) by one or more hinges (5; 50; 205; 250; 350). There are first fixed striker means (10; 510; 200) that during the opening of said lid (4; 54; 204; 240) contrast with said protrusion (9; 59; 209) and realize the lifting up of said lid. Said first striker means (10; 510; 200) release the contact against said protrusion (9; 59; 209) allowing the lowering according to the gravity of said lid (4; 54; 204; 240) when this is arranged in opened position with an angle (16) greater than 90 DEG in order to realise the contact of said protrusion (9; 59; 209) against second striker means (72; 73; 51) suitable for preventing the closing of said lid (4; 54; 204; 240) by simple rotation around said hinge (5; 50; 205; 250; 350). <IMAGE>

IPC 1-7

E02D 29/14

IPC 8 full level

E02D 29/14 (2006.01)

CPC (source: EP)

E02D 29/14 (2013.01)

Citation (search report)

- [A] US 3130651 A 19640428 - WERNER GEORGE C
- [A] EP 0391825 A1 19901010 - PONT A MOUSSON [FR]
- [A] GB 366700 A 19320211 - J & S EYRES LTD, et al
- [A] EP 0451064 A1 19911009 - SODIF SA [FR]

Cited by

KR100511465B1; JP2015158095A; DE102005002986A1; JP2016217002A; JP2017002691A; GB2360807A; GB2360807B; EP1277888A1; FR2805292A1; EP1154080A1; EP1818458A1; FR2897371A1; EP1091046A1; FR2799478A1; US7908798B2; GB2388864A; EP1201829A1; FR2815979A1; EP3492658A1; GB2579159A; GB2579159B

Designated contracting state (EPC)

BE DE ES FR GB IT LU NL

DOCDB simple family (publication)

EP 0814204 A1 19971229; EP 0814204 B1 20010912; DE 69706605 D1 20011018

DOCDB simple family (application)

EP 97108378 A 19970523; DE 69706605 T 19970523