

Title (en)

Device for preventing water entering a manhole shaft

Title (de)

Vorrichtung zum Verhindern des Wassereintritts in einen Abwasserschacht

Title (fr)

Dispositif pour empêcher l'eau d'entrer dans un puit de regard

Publication

EP 1548193 B1 20090114 (DE)

Application

EP 04026935 A 20041112

Priority

DE 10361532 A 20031223

Abstract (en)

[origin: EP1548193A2] A perforated drain cover (2) lies flush with the road surface and covers the top of a shaft (1). A tray (4) with apertures (7) at the sides acts as a sand and leaf trap. Water flows from the sand and leaf trap onto a flat plate (5) with a central aperture (11) with an upstanding flange (12). Air flows through this aperture into a valve chamber (20). The water flows past a tube (18), with an air inlet (17) in each end, and a valve opening (19) in its center, closed by a float (22) on guides (21) when the chamber is full of water. A sieve (16) on the floor (14) of the chamber covers a small drain hole (15).

IPC 8 full level

E03F 5/08 (2006.01); **E02D 29/14** (2006.01); **E03F 1/00** (2006.01)

CPC (source: EP)

E03F 1/00 (2013.01); **E03F 5/0404** (2013.01)

Cited by

CN110984337A; CN106638911A; CN105256877A; US9249553B2

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DOCDB simple family (publication)

EP 1548193 A2 20050629; **EP 1548193 A3 20060607**; **EP 1548193 B1 20090114**; AT E421005 T1 20090115; DE 10361532 B3 20050421; DE 502004008862 D1 20090305; ES 2320445 T3 20090522

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