

Title (en)
A device for a check valve.

Title (de)
Vorrichtung für eine Kontrollklappe.

Title (fr)
Dispositif pour un clapet de contrôle.

Publication
EP 0167511 A2 19860108 (EN)

Application
EP 85850226 A 19850701

Priority
NO 842676 A 19840702

Abstract (en)
A check valve for use in for instance floor sinks, concrete manholes, in sewerage plants etc., comprising a valve box (2) having an upper inlet (3) and a lower inlet (4) and a valve seat (5) near the upper inlet (3) meant to act in conjunction with the upper section (1a) of a moveable valve body (1) in the case of rising water level, i.e. the check valve. The valve body (1) is preferably bush shaped and forms a flow opening (1b), the upper section (1a) of which is connected to the upper inlet (3) by means of a flexible sleeve (6). The lower section (1c) of the bush is at a distance from the upper section (1a) and juts down into any rising water or down into a basin so as to form a gully trap. The valve seat (5) is placed independently of the periphery (3a) of the opening of the upper inlet (3) in the valve box (2), and may in two different embodiments be placed in the shape of a disk (5a) centrally in the opening of the inlet (3) and held by means of struts (7), or to the side of the periphery (3a) of the opening of the inlet (3) when the inlet (3) is laterally directed or horizontal. The actual closing of the check valve occurs when the sleeve, because of trapped air in the case of a rise in the water level, is pressed up together with the valve body to rest against the valve seat, whereby the sleeve covers the inlet (3).

IPC 1-7
E03F 7/04; **E03C 1/22**

IPC 8 full level
E03F 7/04 (2006.01)

CPC (source: EP)
E03F 7/04 (2013.01)

Cited by
GB2269885A; GB2269885B; GB2244433A; GB2244433B

Designated contracting state (EPC)
BE DE FR GB NL

DOCDB simple family (publication)
EP 0167511 A2 19860108; **EP 0167511 A3 19860820**; **EP 0167511 B1 19880601**; DE 3563081 D1 19880707; HU 194590 B 19880229; HU T40177 A 19861128; NO 155299 B 19861201; NO 155299 C 19870311; NO 842676 L 19860103

DOCDB simple family (application)
EP 85850226 A 19850701; DE 3563081 T 19850701; HU 256585 A 19850701; HU 256685 A 19850701; NO 842676 A 19840702