

Title (en)  
Syphon operating sump pit structure for manholes and the like

Title (de)  
Sumpfstuktur mit Siphon für Schächte und dergleichen

Title (fr)  
Structure de puisard avec siphon pour regards et similaires

Publication  
**EP 1319764 B1 20070502 (EN)**

Application  
**EP 02425755 A 20021209**

Priority  
IT RM20010224 U 20011210

Abstract (en)  
[origin: EP1319764A2] Syphon operating sump pit structure (4), for effectively preventing outflows of foul odours and exhalations generated in a sewer underlying a manhole, having: a surface grid (3) inserted in a road manhole frame (2); a first vessel (5), supported by said road manhole frame (2) or located therebelow, having a top inlet (6) juxtaposed to the port of the surface grid (3), an open bottom (7) and solid walls (8) which occlude, with the exception of the open bottom (7), the entire manhole section; and a second vessel (9) located below the open bottom (7) of the first vessel (5), having a closed bottom (10) and a top edge (11) located at a level above the open bottom (7), so that the filling up of the second vessel (9) with water or other liquid does not obstruct the flow path of further liquid, concomitantly stemming any exhalation underlying the sump pit structure (4). <IMAGE>

IPC 8 full level  
**E03F 5/04** (2006.01)

CPC (source: EP)  
**E03F 5/0405** (2013.01); **E03F 2005/0416** (2013.01)

Cited by  
EP1705300A1; EP2660400A3; EP3138967A1

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