

Title (en)  
DRAIN MANHOLE

Publication  
**EP 0358857 B1 19920603 (DE)**

Application  
**EP 89110595 A 19890612**

Priority  
DE 3829397 A 19880830

Abstract (en)  
[origin: EP0358857A1] The invention relates to a drain manhole comprising a preferably corrugated pipe (1), in the wall of which openings are formed for connection to piping (36) and at the lower part of which a weight is disposed for increasing the stability. According to the invention, the weight takes the form of a ballast arrangement which is separated from the pipe (1) and can be attached to the latter. The said ballast arrangement may take the form of a chamber (3) which can be filled with liquid or bulkable solid ballast material and is formed on or can be attached to the underside of the pipe. The ballast material is preferably a bulk material and/or a liquid. Consequently, the time-consuming filling with concrete, which was necessary hitherto in the production of drain manholes, is eliminated and the transportation of the pipes is easier as they do not contain, as hitherto, a concrete weight from the very outset. <IMAGE>

IPC 1-7  
**E02D 29/12; E03F 5/02**

IPC 8 full level  
**E02D 29/12** (2006.01); **E03F 5/02** (2006.01)

CPC (source: EP)  
**E02D 29/12** (2013.01); **E03F 5/02** (2013.01)

Cited by  
EP1310604A1; EP0717157A1; FR3057255A1; EP0874088A3; EP0526744A1; DE19747863A1; US6044591A; EP0913534A1

Designated contracting state (EPC)  
AT BE CH DE FR LI

DOCDB simple family (publication)  
**EP 0358857 A1 19900321; EP 0358857 B1 19920603**; AT E76921 T1 19920615; DE 3829397 A1 19900301; DE 3829397 C2 19940818; DE 58901587 D1 19920709

DOCDB simple family (application)  
**EP 89110595 A 19890612**; AT 89110595 T 19890612; DE 3829397 A 19880830; DE 58901587 T 19890612