

Title (en)

HOLLOW CONSTRUCTION EMBEDDED IN THE GROUND FOR THE TRANSPORTATION OR STORAGE OF POLLUTING LIQUIDS

Publication

EP 0402844 A3 19910206 (DE)

Application

EP 90111057 A 19900612

Priority

DE 3919539 A 19890615

Abstract (en)

[origin: EP0402844A2] In a hollow construction at least partly embedded in the ground or surrounded by the ground for the transportation or storage of polluting substances, such as, for example, in a drain channel, it is proposed to embed the wall of the hollow construction (2) in a sealing layer (3) of a non-setting mixture of mineral sealing materials, in particular clay materials such as, for example, montmorillonite, with the addition of mineral substances. In order to obtain as tight a storage of this layer as possible with a high solids content and small pore volume, it is furthermore proposed to pre-mix in the dry state the materials forming the sealing layer and to insert them as a dry mixture; the moisture required for the effectiveness of the mixture as a sealing layer is supplied after insertion. By such embedding of the hollow construction, it is possible, for example in sewage systems, to prevent polluting seepage water from being transported both longitudinally and transversely into the surrounding ground even at any damaged locations possibly occurring, which seepage water escapes through these damaged locations. <IMAGE>

IPC 1-7

E03F 1/00; **E02D 31/00**

IPC 8 full level

E02D 31/00 (2006.01); **E03F 1/00** (2006.01); **E03F 3/04** (2006.01)

CPC (source: EP)

E02D 31/004 (2013.01); **E03F 3/04** (2013.01)

Citation (search report)

- [XD] DE 3717885 A1 19881222 - DYCKERHOFF & WIDMANN AG [DE]
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- [A] EP 0082629 A2 19830629 - AMERICAN COLLOID CO [US]

Cited by

EP1936042A1

Designated contracting state (EPC)

AT DE FR LU NL

DOCDB simple family (publication)

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