EUROPEAN PATENT SPECIFICATION

Date of publication and mention of the grant of the patent: 04.07.2018 Bulletin 2018/27

Application number: 13880939.7
Date of filing: 03.04.2013

Designated Contracting States: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Date of publication of application: 10.02.2016 Bulletin 2016/06

Proprietor: IBS Morten Nesheim 3145 Tjøme (NO)
Inventor: JONSSON, Lars 424 91 Olofstorp (SE)

References cited:
US-A- 3 888 087

Type: 04.07.2018 Bulletin 2018/27

Note: Within nine months of the publication of the mention of the grant of the European patent in the European Patent Bulletin, any person may give notice to the European Patent Office of opposition to that patent, in accordance with the Implementing Regulations. Notice of opposition shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).
The present invention relates to a shielded draining pipe mesh according to the introductory portion of the independent claim.

Description

[0001] The present invention relates to a shielded draining pipe mesh according to the introductory portion of the independent claim.

Background of the invention

[0002] Draining of tunnels or the interior surfaces of other constructions is often necessary. An example of a drainage system is EP2160505 which discloses a trellis like arrangement of drainage conduits that is intended to be mounted on a wall. The drainage system is then typically covered by shotcrete that is left to set. During the shotcrete application there is a risk that the conduits, that in cross section are U-shaped with the open side facing the wall, receive shotcrete that fully or partially fills the conduits.

[0003] Another example is disclosed by US5067298, which describes a design of a concrete floor with in-built conduits. These channels are arranged between elevated portions and a fabric rests on the elevated portions, such that the fabric extends above the channels. As concrete is poured onto the fabric layer, the fabric prevents the concrete from penetrating the fabric and fill up the channels, leaving these hollow so that the channels may act as a drainage for liquids entering through the concrete top layer.

[0004] An object of the invention is therefore to provide a shielded draining pipe mesh with an improved resistance to influx of shotcrete.

[0005] These and other objects are attained by a shielded draining pipe mesh according to the characterising portion of the independent claim.

Summary of the invention

[0006] The invention relates to a shielded draining pipe mesh 1 adapted for mounting on a surface and for being covered by a substance 7. At least one pipe 2 is in cross section essentially U-shaped with an open side intended to face the surface. The pipe 2 is provided with a shield 6 that covers the open side, and preventing shotcrete to flow across it. This has the advantage that the pipe interior does not fill up with shotcrete, but lets water enter into the pipe interior.

[0007] In a particularly advantageous embodiment the pipe 2 is provided with side bands 3a-b extending along either side of the edges of the pipe at its open side, where the shield is attached to the side bands giving additional mechanical strength. The shield 6 may be constituted by a metal net.

Brief description of the drawings

[0008] Fig. 1 shows an overview of the shielded draining pipe mesh

Claims

1. A shielded draining pipe mesh (1) adapted for mounting on a surface and for being covered by a sub-
stance (7), where at least one pipe (2) in cross section is essentially U-shaped with an open side intended to face the surface, characterised in that the pipe (2) is provided with a shield (6) that covers the open side, and where the shield is constituted by a net structure, and where the pipe (2) is provided with side bands (3a-b) extending along either side of the edges of the pipe at its open side, and where the shield is attached to the side bands.

Revendications

1. Maillage de tubes de drainage blindés (1) adapté pour être monté sur une surface et pour être recouvert d’une substance (7), au moins un tube (2) ayant une section transversale essentiellement en forme de U avec un côté ouvert destiné à faire face à la surface, caractérisé en ce que le tube (2) est muni d’un blindage (6) qui couvre le côté ouvert, et le blindage étant constitué par une structure en filet, et le tube (2) étant muni de bandes latérales (3a-b) s’étendant le long des deux côtés des bords du tube sur son côté ouvert, et le blindage étant fixé aux bandes latérales.
REFERENCES CITED IN THE DESCRIPTION

This list of references cited by the applicant is for the reader's convenience only. It does not form part of the European patent document. Even though great care has been taken in compiling the references, errors or omissions cannot be excluded and the EPO disclaims all liability in this regard.

Patent documents cited in the description