

Title (en)

Filter tube for placing in a borehole and method for manufacturing the filter tube

Title (de)

Filterrohr zum Einbringen in ein Bodenbohrloch sowie Verfahren zur Herstellung des Filterrohrs

Title (fr)

Tube filtrant à placer dans un puits et méthode de production de ce tube filtrant

Publication

EP 1101873 A2 20010523 (DE)

Application

EP 00124128 A 20001107

Priority

DE 19955973 A 19991119

Abstract (en)

A filter pipe for inserting into a borehole comprises a support pipe (10) with liquid openings (12) and a porous filter layer (11) arranged on the outer side. The filter layer is made of a sintered plastic material whose pore diameter is smaller on the outer side of the filter layer than on the inner side bordering the support pipe. An Independent claim is also included for the production of the filter pipe comprising melting a loose charge of a sinterable granulate-like or powder-like plastic material to form a filter layer sintered to the support tube in a heating device and cooling after reaching a porous melt or sinter composite. Short term temperature elevation occurs at the end of the heat treatment to heat the outer surface layer of the plastic material.

Abstract (de)

Filterrohr zum Einbringen in ein Bodenbohrloch zum Filtern einer im Boden gespeicherten Flüssigkeit, umfassend ein Trägerrohr mit Flüssigkeitsdurchtrittsöffnungen und einer außenseitig angeordneten porösen Filterschicht aus einem aufgesinterten Kunststoffmaterial. <IMAGE>

IPC 1-7

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IPC 8 full level

E03B 3/20 (2006.01); **E21B 43/08** (2006.01)

CPC (source: EP)

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Cited by

EP2031138A1; US8082986B2; US7195233B2; WO2008067990A1; WO03103800A3; WO03091169A1

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