

Title (en)
DRILLING DEVICE FOR HIGH PRESSURE INJECTION METHOD

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Application
EP 88106156 A 19880418

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DE 3718480 A 19870602

Abstract (en)
[origin: EP0293584A1] A drilling device as well as a high-pressure injection method which can be carried out with the use of this drilling device for producing injection bodies in the ground are described. The drilling device comprises a rod (3) provided with a drill head. At its end, the rod (3) is provided with a drill bit (4) as well as at least one injection nozzle (12) for discharging injection suspension. The rod (3) is surrounded by an outer tube (1) which is provided with a further drill head (2) as well as with a feed channel (7) for flushing medium. Rod (3) and outer tube (1) can be operated independently of one another with regard to direction of rotation, rotary speed and drilling advance. After the final depth is reached, the rod (3) is moved into a position in which the injection nozzle (12) is in front of the outer-tube drill bit (2). During the subsequent withdrawal and injection, the outer tube (1) is retracted at the same time as the rod (3). Excess injection suspension can escape to the top in the annular space (16) between the outer tube (1) and the rod (3). <IMAGE>

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IPC 8 full level
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Cited by
US6079906A; EP0853162A3; EP0441077A1; FR2657906A1; DE102011000320A1; EP1124037A1; FR2680380A1; ES2065204A2; US11085244B2; WO2017028645A1

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