

Title (en)
DEVICE AND METHOD FOR CREATING RAMIFICATIONS IN A BORE HOLE

Title (de)
VORRICHTUNG UND VERFAHREN ZUM HERSTELLEN VON BOHRLOCHVERZWEIGUNGEN

Title (fr)
DISPOSITIF ET PROCEDE POUR LA REALISATION DE RAMIFICATIONS DANS UN TROU DE FORAGE

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Application
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• EP 9804274 W 19980709

Abstract (en)
[origin: DE19729809C1] The present invention relates to a drilling device for creating ramifications in a bore hole drilled in unstable rock, wherein said device comprises a pilot drill head (14) whose progression is fully controlled and has a drill rod (4) attached thereto. The pilot drill head comprises an opening (42) on its periphery, a deflection part (50) located within said head as well as outlet openings (34, 36) through which a bore-hole reinforcing suspension is ejected. An inner drill head (44) is capable of longitudinal displacement along the pilot drill head (14) and is deviated by the deflection part (50) from the path (54) of said pilot drill head (14). After the completion of a pilot bore by forwarding the pilot drill head whose progression is fully controlled, a bore-hole reinforcing suspension is ejected from said pilot drill head while the inner drill head passes by the deflection part in the pilot drill head, a ramification bore being thus created by forwarding said inner drill head.

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