

Title (en)

PROCESS AND DEVICE FOR THE CONTROLLED ADVANCING OF UNDER-GROUND PIPES IN INACCESSIBLE CROSS-SECTIONAL AREAS

Publication

EP 0159573 B1 19870930 (DE)

Application

EP 85103778 A 19850328

Priority

DE 3412198 A 19840402

Abstract (en)

[origin: EP0159573A1] 1. A process for the controlled underground advance of pipes (4) in the non-negotiable diameter range, comprising pressing forward a pipe line (4), starting from a starting excavation (1), with expansion or removal of the earth with a boring tool (15, 18), and possibly with the earth removed being conveyed to the starting excavation (1), characterized in that firstly, starting from the starting excavation (1), an encasing pipe line comprising encasing pipes (3, 3') which are of an inside diameter that is larger than the outside diameter of the product pipes (4) to be laid is advanced, possibly in addition with an outside seal (5), the boring tool (15) for boring through the earth is possibly withdrawn to the starting excavation (1) through the encasing pipe line (3, 3') which has been pressed forward thereto, and a boring tool (18) for boring through solid obstacles is pushed forward from the starting excavation (1) through the encasing pipe line (3, 3') and the obstacle is bored through, when the target object (2) is reached, if necessary after the boring tool in the encasing pipe line (3, 3') has been previously pulled back, a boring tool is pushed forward from the starting excavation to bore through the target object (2), said boring tool is withdrawn again to the starting excavation (1) after boring through the target object (2), then a product pipe line (4) is pushed forward from the starting excavation (1) through the encasing pipe line (3, 3') into the target object (2) and finally the encasing pipe line (3, 3') is withdrawn to the starting excavation (1), with the product pipe line (4) being fixed in position.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

E21B 7/046 (2013.01); **E21B 7/20** (2013.01)

Cited by

US5655609A; GB2273142A; BE1006434A3; BE1003903A3; US5341888A; GB2252995A; GB2252995B; WO9109202A1; WO9413928A1; WO9720164A1

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