Title (en)

METHOD FOR INSERTING A STRUCTURAL MEMBER INTO A SHEET PILE WALL IN A SOIL FORMATION CONTAINING WATER UNDER PRESSURE, AND DEVICE FOR CARRYING OUT THE METHOD

Publication

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Application

EP 86113463 A 19861001

Priority

DE 3535320 A 19851003

Abstract (en)

[origin: EP0218987A2] So that a structural member, e.g. an anchor rod (10) for a permanent soil anchor, can be inserted through a sheet pile wall (1) into a soil formation (14) containing water (3) under pressure, first of all a sealing plug (2) of injected hardening material is produced in the soil behind the sheet pile wall. A device with a first seal (6) is then attached in the sheet pile wall (1), through which seal (6) a driving tube (8) with a water-tight, lost tip (9) is driven in. An anchor rod (10) is inserted into the driving tube (8). A second seal (12) between driving tube (8) and anchor rod (10) prevents the escape of water (3) under pressure. When the driving tube (8) is withdrawn, the resulting hollow space is grouted via a grouting line (13) with hardening material which forms a grouting body (17). In the process, the sealing plug (2) acts as a third seal against the water (3) under pressure. <IMAGE>

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IPC 8 full level

E02D 5/80 (2006.01); E02D 5/76 (2006.01)

CPC (source: EP)

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Citation (search report)

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