

Title (en)

Method and device for the lining of deep trenches.

Title (de)

Verfahren und Vorrichtung zum Verbau tiefer Gräben.

Title (fr)

Méthode et dispositif pour le boisement de fossés profonds.

Publication

**EP 0475382 B1 19941123 (DE)**

Application

**EP 91115363 A 19910911**

Priority

DE 4028832 A 19900911

Abstract (en)

[origin: EP0475382A1] Method for the lining of deep trenches by means of supporting frames which can be erected equally spaced in the trench longitudinal direction and are composed of two parallel supports (1, 2) and a stiffening frame (3) which connects and maintains the spacing of the supports (1, 2) and is displaceable along the supports (1, 2), and by means of large-area lining plates (4, 5) which can be introduced into guide channels of the supports. The supporting frames (1, 2, 3) and the lining plates are pushed or lowered into the trench following its excavation. The stiffening frame (3) between a lower stop (6) and an upper stop (7) is displaceably guided on the supports (1, 2), the lower stop (6) being arranged at the height of the required excavator-shovel clearance, about 1 to 1.50 m from the foot of the support, and the upper stop (7) being arranged at a distance from the lower stop (6) corresponding to the height of the stiffening frame (3), e.g. 1.75 m, and a permissible support advance, e.g. 0.5 m. After the supporting frame (1, 2, 3) has been erected and lowered to a level at which the upper edge of the stiffening frame (3) is situated at the height of the trench edge, the upper stops are removed, a second stiffening frame (3) is introduced into the supports (1, 2) of the supporting frame (1, 2, 3) and the upper stops (7) are fixed to the supports (1, 2) at a distance above the second stiffening frame (3). After the supporting frame (1, 2, 3) has been lowered by a further stiffening-frame height, the upper stops (7) are removed and a third stiffening frame (3) is optionally introduced into the supports (1, 2) of the supporting frame (1, 2, 3). For the retreat of the supporting frame (1, 2, 3), the stiffening frames (3) are connected to one another. <IMAGE>

IPC 1-7

**E02D 17/08**; **E02D 17/04**

IPC 8 full level

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Cited by

AT55U1; AU2006224071B2; AU658536B2; DE29616986U1; CN116905525A; DE19739920A1; EP0902129A3; EP0811723A3; EP0668404A1; EP0810328A3; DE102006019236A1; DE102006019236B4; DE19625277A1; WO9406972A1; WO2007122255A2; US7972085B2

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