

Title (en)

Method and equipment for embankment reconstruction

Title (de)

Verfahren und Einrichtung zum Wiederaufbau von Erdstützwerken

Title (fr)

Procédé et équipement pour la reconstruction d'ouvrages de soutènement

Publication

EP 0877124 A1 19981111 (EN)

Application

EP 97120741 A 19971126

Priority

LT 97082 A 19970506

Abstract (en)

The present invention relates to hydrotechnical construction and can be used for embankment reconstruction in order to deepen the bottom of the defined water area securing the same embankment cordon line. The basis of the old embankment wall (1) is reinforced by erecting additional support (3) prior to deepening the bottom of the defined water area. the support (3) consists of plurality of elements (5), piled to a designed bottom depth. Each element (5) consists of sheet pile and metal connecting profile, attached to the upper part of lateral surface of the sheet pile (7) at an angle alpha , equal to 90-135 DEG . Metal profile of the piled to the bottom soil element (5) is connecting the old embankment wall (1) and new equipment (3). Loads affecting the thus reconstructed embankment are transferred from the old wall (1) via connecting metal profiles to new equipment (3). In this way, the whole complex - old wall (1) and new equipment (3) - acts as one element. <IMAGE>

IPC 1-7

E02B 3/06; **E02D 5/04**; **E02D 13/04**

IPC 8 full level

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CPC (source: EP)

E02B 3/066 (2013.01); **E02D 5/04** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

BE FR GB IT SE

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EP 0877124 A1 19981111; LT 4474 B 19990225; LT 97082 A 19981125; LV 12190 A 19981220; LV 12190 B 19990420

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