

Title (en)

Process for deepening and/or reinforcing, consolidating or renovating a quay wall constructed along a water basin

Title (de)

Methode zum Vertiefen und/oder Verstärken, Absichern oder Renovieren einer Kaimauer

Title (fr)

Procédé d'approfondissement et/ou de renforcement, de consolidation ou de rénovation d'un mur de quai

Publication

EP 1004707 A1 20000531 (EN)

Application

EP 98870257 A 19981125

Priority

EP 98870257 A 19981125

Abstract (en)

The invention refers to a process for deepening and/or reinforcing, consolidating or renovating a quay wall (1) constructed along a water basin, characterised in that, on land side behind and below said quay wall (1), using high pressure techniques, a network of bores is formed down to the desired depth, into which a cementing material is introduced under high pressure to form a network of columns (7), after which from the water side and through the original quay wall (1), at different levels a series of anchorings (2) is applied, and subsequently the original bottom of the water basin is dredged down to the desired depth. <IMAGE>

IPC 1-7

E02B 3/06; **E02D 29/02**

IPC 8 full level

E02B 3/06 (2006.01); **E02D 5/74** (2006.01)

CPC (source: EP)

E02B 3/06 (2013.01); **E02D 5/74** (2013.01)

Citation (search report)

- [A] US 4728225 A 19880301 - BRANDL ERNEST D [US], et al
- [A] US 5368414 A 19941129 - MILLER VINCENT G [US], et al
- [A] US 4911583 A 19900327 - CAREY CHARLES [US]

Cited by

CN113152444A; JP2016017273A; JP2016108822A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1004707 A1 20000531; **EP 1004707 B1 20040519**; AT E267300 T1 20040615; AU 5942099 A 20000601; DE 69824010 D1 20040624; DE 69824010 T2 20050512; SG 106570 A1 20041029; TW 449629 B 20010811

DOCDB simple family (application)

EP 98870257 A 19981125; AT 98870257 T 19981125; AU 5942099 A 19991115; DE 69824010 T 19981125; SG 1999005765 A 19991117; TW 88108113 A 19990512