

Title (en)  
Method and installation for compacting and consolidating the underwater bed

Title (de)  
Verfahren und Vorrichtung zur Unterwasserbodenverdichtung und -verfestigung

Title (fr)  
Procédé et dispositif pour compactage et pour consolidation du sol sous-marin

Publication  
**EP 0677616 B1 20010711 (EN)**

Application  
**EP 95200947 A 19950413**

Priority  
NL 9400593 A 19940414

Abstract (en)  
[origin: EP0677616A1] Method for consolidating and compacting the underwater bed by applying and maintaining a reduced pressure in the underwater bed. This can be achieved, for example, with the aid of draining said underwater bed. To this end, a drainage system is produced in the underwater bed and it is ensured that the water located above the underwater bed has as little opportunity as possible to penetrate into the underwater bed. For example, to this end a liquid-tight sheeting is applied on top of the underwater bed. In every case, the drainage system is constructed well below the surface of the underwater bed, so that that part of the underwater bed located above said system in itself forms a liquid barrier. <IMAGE>

IPC 1-7  
**E02D 3/10**; **E02D 15/10**; **E02F 5/10**

IPC 8 full level  
**E02D 3/10** (2006.01); **E02D 15/10** (2006.01); **E02F 5/10** (2006.01)

CPC (source: EP)  
**E02D 3/10** (2013.01); **E02D 15/10** (2013.01); **E02F 5/105** (2013.01)

Cited by  
NL1003584C2; CN102691303A; WO9802616A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 0677616 A1 19951018**; **EP 0677616 B1 20010711**; AT E203074 T1 20010715; DE 69521642 D1 20010816; DE 69521642 T2 20011031; DK 0677616 T3 20010917; ES 2160139 T3 20011101; HK 1010745 A1 19990625; NL 9400593 A 19951101; PT 677616 E 20011228

DOCDB simple family (application)  
**EP 95200947 A 19950413**; AT 95200947 T 19950413; DE 69521642 T 19950413; DK 95200947 T 19950413; ES 95200947 T 19950413; HK 98111550 A 19981026; NL 9400593 A 19940414; PT 95200947 T 19950413