Title (en)

PROCESS FOR DRIVING PILE SECTIONS UNDER WATER

Publication

EP 0301114 B1 19910703 (DE)

Application

EP 87110889 A 19870728

Priority

EP 87110889 A 19870728

Abstract (en)

[origin: JPS6436822A] PURPOSE: To save working time and labor and to reduce cost by a method wherein two ramming devices of light and heavy devices are driven by a single electrohydraulic drive unit and an underwater pile previously rammed by the light device is really rammed by the heavy device. CONSTITUTION: A heavy first ramming device 1 suspended from a support rope 4 and a light ram device 15 suspended from a support element 3 are sunk in sea and a second ramming device 15 is placed on an underwater pile 14. Further, a electrohydraulic type drive unit 2 is arranged at the side or below the second ramming device 15, and the two ramming devices 1 and 15 are intercoupled through pipes 9 and 10. After a pile 14 is previously rammed by the second ramming device, the device is immediately placed on a subsequent pile 14', the first pile 14 is regularly rammed by the first ramming device 1 and the subsequent pile 14' is previously rammed by the second ramming device 15. By this constitution, the size and thickness of the pile can be confined to a necessary minimum limit.

IPC 1-7

E02D 7/02

IPC 8 full level

E02D 7/06 (2006.01); **E02D 7/02** (2006.01); **E02D 7/10** (2006.01); **E21B 7/124** (2006.01)

CPC (source: EP US)

E02D 7/02 (2013.01 - EP US); **E02D 15/08** (2013.01 - EP US); **E02D 27/52** (2013.01 - EP US); **E21B 7/124** (2013.01 - EP US); Y10S 173/01 (2013.01 - EP US)

Cited by

US2010119309A1; CN102449240A; US8845235B2; WO9416153A1; WO9416193A1; WO2010151121A3; EP2325397A1; US8562257B2; WO2012098081A1; US9476176B2; EP4335974A1; US9605400B2; US8820472B2; US9611612B2; WO2010112832A1; WO2008125830A1; JP2012531544A; EP2414594B1; EP2414594B2

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