

Title (en)

DEVICE FOR LIFTING, LOWERING AND THE WATER CARRIAGE OF HEAVY LOADS

Publication

**EP 0469182 A3 19920610 (DE)**

Application

**EP 90120475 A 19901025**

Priority

DE 4024135 A 19900730

Abstract (en)

[origin: EP0469182A2] A device for the lifting, lowering and the water carriage of very heavy loads in the range of between about 6000 and 10000 tonnes, in particular in bridge construction over open stretches of water, is described. Provided as an alternative is an intermittently working device with a lifting mechanism, consisting of at least one portal arranged on barges set apart by the width of the very heavy load, at least one intermittently vertically adjustable supporting member per portal, and a supporting framework which in turn has barges, variable in their depth of immersion by flooding or pumping out water ballast, and is provided with supporting towers consisting of separable segments. In the other alternative, a continuously working and thereby quicker lifting mechanism of identical construction in principle is provided, the supporting members of which are, however, also vertically adjustable under load.

IPC 1-7

**B66C 23/52**; **B63B 35/44**

IPC 8 full level

**B63B 27/30** (2006.01); **B63B 35/00** (2006.01); **B66C 19/00** (2006.01); **B66C 23/52** (2006.01); **B66F 3/04** (2006.01); **E01D 21/06** (2006.01)

CPC (source: EP)

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Citation (search report)

- [A] GB 2174743 A 19861112 - HEEREMA ENGINEERING
- [A] US 4568232 A 19860204 - RAY LOUIS F [US], et al
- [A] DE 2704033 A1 19780803 - BETON & MONIERBAU AG

Cited by

DE202006009979U1; CN111411587A; CN102628254A; CN102304943A; CN117446676A; US10556631B2; US11180319B2; US10889961B2; US11407460B2; WO2004002814A1; WO2005123499A1; US10895882B2; US10793409B2; US10899401B2; US9463833B2; US9862437B2; US9988112B2; US10207756B2; US8490724B2; US8561733B2; US8573334B2; US8839892B2; US9004203B2; US9045178B2; USRE46723E

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