

Title (en)

DOUBLE TOP SUCTION PILE AND SUCTION PILE FOUNDATION

Title (de)

SAUGPFAHL MIT DOPPELTER SPITZE UND SAUGPFAHLFUNDAMENT

Title (fr)

PILE DE SUCCION SUPÉRIEURE DOUBLE ET FONDATION DE PILE DE SUCCION

Publication

**EP 3690145 A1 20200805 (EN)**

Application

**EP 20158104 A 20131129**

Priority

- NL 2009910 A 20121129
- NL 2011860 A 20131128
- EP 13824532 A 20131129
- NL 2013050861 W 20131129

Abstract (en)

Suction pile for installation in the seafloor to operate as a foundation or part of it to support an offshore structure resting onto the seafloor, the suction pile having internally near the top bulkhead (6) and spaced from this bulkhead (6) a load bearing surface (4) designed to keep the suction pile immovable while the offshore structure resting onto it is in full operation. The load bearing surface (4) could be the lower face of a fluid permeable slab which is in the space between the top bulkhead and the load bearing surface. Such slab could be obtained by fabrication in situ by casting a material against the top bulkhead (6).

IPC 8 full level

**E02D 27/52** (2006.01); **E02B 17/00** (2006.01)

CPC (source: EP)

**E02D 27/525** (2013.01); **E02B 2017/0078** (2013.01)

Citation (applicant)

- GB 2300661 B 19970730 - HOGERVORST JOHANNES RUDOLF [NL]
- EP 0011894 B1 19840704
- WO 9951821 A1 19991014 - SUCTION PILE TECHNOLOGY B V [NL], et al
- EP 1101872 A2 20010523 - SUCTION PILE TECHNOLOGY B V [NL]
- WO 02088475 A1 20021107 - SUCTION PILE TECHNOLOGY B V [NL], et al
- US 8025463 B2 20110927 - FOO KOK SENG [SG], et al
- WO 03099646 A2 20031204 - STOLT OFFSHORE SA [FR], et al

Citation (search report)

- [X] US 2012003048 A1 20120105 - HOSOEY OEYVIND [NO], et al
- [XI] US 2005201835 A1 20050915 - ALLIOT VINCENT M G [FR]

Designated contracting state (EPC)

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DOCDB simple family (publication)

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**NL 2013050861 W 20131129**; DK 13824532 T 20131129; EP 13824532 A 20131129; EP 20158104 A 20131129; NL 2011860 A 20131128; PL 13824532 T 20131129