

Title (en)

APPARATUS AND METHOD FOR REDUCTION OF SONIC VIBRATIONS IN A LIQUID

Title (de)

VORRICHTUNG UND VERFAHREN ZUR REDUZIERUNG VON AKUSTISCHEN SCHWINGUNGEN IN EINER FLÜSSIGKEIT

Title (fr)

APPAREIL ET PROCÉDÉ POUR RÉDUCTION DE VIBRATIONS SONIQUES DANS UN LIQUIDE

Publication

EP 2769026 B1 20160113 (EN)

Application

EP 12740882 A 20120702

Priority

- DK PA201100798 A 20111017
- DK 2012050240 W 20120702

Abstract (en)

[origin: WO2013056713A1] The invention regards an apparatus for reduction of sonic vibrations in a liquid when driving down a foundation member below the surface of the liquid so that one end is rooted in the bottom of the liquid comprising, a tube structure adapted for lowering a section of the tube structure below the surface of the liquid and suitable for longitudinally positioning the foundation member within the tube structure, sealing means in contact with the tube structure and adapted to create a contained volume by contact between the section of the tube structure below the surface and the foundation member when the foundation member is positioned longitudinally within the tube structure for driving down the foundation member, pumping means adapted to remove liquid from the contained volume when the foundation member is positioned longitudinally within the tube structure and the contained volume has been created.

IPC 8 full level

E02B 3/06 (2006.01); **E02D 13/00** (2006.01)

CPC (source: EP US)

E02D 13/00 (2013.01 - EP US); **E02D 13/005** (2013.01 - US)

Citation (opposition)

Opponent : Overdick GmbH & Co. KG,

- EP 2208825 A1 20100721 - OVERDICK GMBH & CO KG [DE]
- US 2012097476 A1 20120426 - JUNG BOUDEWIJN CASPER [NL], et al
- DE 102006008095 A1 20070823 - MENCK GMBH [DE]
- DE 10117109 A1 20021205 - FALKENHAGEN JOACHIM [DE]
- DE 10302219 A1 20040909 - FALKENHAGEN JOACHIM [DE]
- GERWICK, BEN C. JR., CONSTRUCTION OF MARINE AND OFFSHORE STRUCTURES, 2000, pages 213 - 223, XP055314115

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2013056713 A1 20130425; CA 2849818 A1 20130425; CN 103890271 A 20140625; DE 212012000017 U1 20130606; EP 2769026 A1 20140827; EP 2769026 B1 20160113; US 2014241815 A1 20140828

DOCDB simple family (application)

DK 2012050240 W 20120702; CA 2849818 A 20120702; CN 201280050899 A 20120702; DE 212012000017 U 20120702; EP 12740882 A 20120702; US 201214349681 A 20120702