

Title (en)
METHOD AND DEVICE FOR ACOUSTIC INSULATION

Title (de)
VERFAHREN UND VORRICHTUNG ZUM SCHALLSCHUTZ

Title (fr)
PROCÉDÉ ET DISPOSITIF DESTINÉS À L'ISOLATION ACOUSTIQUE

Publication
EP 3214226 B1 20190911 (DE)

Application
EP 17166530 A 20130201

Priority
• DE 102012202132 A 20120213
• EP 13153573 A 20130201

Abstract (en)
[origin: EP2631368A2] The device has a pipeline (10) i.e. hose (11), fixed on a sea-bottom by dead weight and comprising a wall with holes. A compressor introduces compressed air into the pipeline. The pipeline has a longitudinal portion in which a loading body (101) is inserted, where the loading body has a chain. The chain is made from stainless steel, and a winding device has a drum on which the pipeline is wound. A hydraulic drive drives the drum, and the winding device has a frame, where external dimension of the frame has size of a cargo container according to ISO 668.

IPC 8 full level
E02D 13/04 (2006.01); **E02D 13/00** (2006.01); **E02D 27/52** (2006.01)

CPC (source: EP)
E02D 13/005 (2013.01); **E02D 13/04** (2013.01)

Citation (opposition)
Opponent : Hydrotechnik Lübeck GmbH
• DE 102004043128 A1 20060309 - MENCK GMBH [DE]
• EP 0500723 B1 19940126 - BERG MARINE AS [DK]
• DE 8417513 U1 19841025
• AU 2978667 A 19700521
• DE 3532511 A1 19860911 - BRENNENSTUHL KG HUGO [DE]
• DE 3337344 C2
• B. WÜRSIG ET AL.: "Development of an air bubble curtain to reduce underwater noise of percussive piling", MARINE ENVIRONMENTAL RESEARCH, vol. 49, 2000, pages 79 - 93, XP055745594
• ENTWICKLUNG UND ERPROBUNG DES GROSSEN BLASENSCHLEIERS ZUR MINDERUNG DER HYDROSCHALLEMISSIONEN BEI OFFSHORE-RAMMARBEITEN KURZBEZEICHNUNG: HYDROSCHALL-OFF BW II FKZ 0325309A 2. ZWISCHENBERICHTFEBRUAR 2012, February 2012 (2012-02-01), XP055745597
• TRIANEL: "Provision and Operation of Noise Mitigation Big Bubble Curtain. Document number 13.130236.00/30/001R", SCOPE OF WORK TRIANEL, 1 November 2010 (2010-11-01), pages 1 - 6, XP055745603
• ENTWICKLUNG UND ERPROBUNG DES GROSSEN BLASENSCHLEIERS ZUR MINDERUNG DER HYDROSCHALLEMISSIONEN BEI OFFSHORE-RAMMARBEITEN, 28 March 2011 (2011-03-28)

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)
DE 202013100564 U1 20130215; DE 102012202132 A1 20130814; DE 102012202132 B4 20231228; DE 202013012109 U1 20150422; DK 201500125 U1 20150925; DK 201500125 Y4 20160610; DK 2631368 T3 20170724; DK 3214226 T3 20191216; EP 2631368 A2 20130828; EP 2631368 A3 20160309; EP 2631368 B1 20170419; EP 3214226 A1 20170906; EP 3214226 B1 20190911; EP 3626888 A1 20200325; PL 2631368 T3 20170929; PL 3214226 T3 20200331

DOCDB simple family (application)
DE 202013100564 U 20130207; DE 102012202132 A 20120213; DE 202013012109 U 20130201; DK 13153573 T 20130201; DK 17166530 T 20130201; DK BA201500125 U 20150915; EP 13153573 A 20130201; EP 17166530 A 20130201; EP 19196197 A 20130201; PL 13153573 T 20130201; PL 17166530 T 20130201