

Title (en)

Device and method for reducing the sound emissions when driving piles at sea

Title (de)

Vorrichtung und Verfahren zur Reduktion der Schallimmissionen bei Rammarbeiten auf See

Title (fr)

Dispositif et procédé de réduction des émissions sonores au cours des travaux de battage de pieux en mer

Publication

EP 2746462 B1 20161123 (DE)

Application

EP 13199206 A 20131220

Priority

DE 202012012251 U 20121221

Abstract (en)

[origin: EP2746462A2] The device (1) has several fluid jet nozzles (2) which are provided for delivery of gas or gas-containing fluid to generate gas bubbles. An underwater insertable device is provided for guiding the gas bubbles produced by the nozzles. The insertable device is provided with a curtain or a guide segment. The curtain is formed of metallic fiber, plastic fiber, substance fiber, inorganic material, neoprene fabric and plastic film. An independent claim is included for a method for reduction of noise emission during pile driving at sea.

IPC 8 full level

E02D 13/00 (2006.01)

CPC (source: EP)

E02D 13/005 (2013.01)

Citation (opposition)

Opponent : Offnoise-Solutions GmbH

- WO 2007150028 A2 20071227 - GUNDERBOOM INC [US]
- DE 69331973 T2 20030116 - SOLOMON INVEST GROUP LTD [VG]
- EP 1640508 A1 20060329 - MENCK GMBH [DE]
- US 2005083783 A1 20050421 - BASKERVILLE ANDREW J [US], et al
- WO 2009121336 A2 20091008 - ELMER KARL-HEINZ [DE]

Cited by

CN111155477A; CN112967706A; CN111094124A; AU2018310672B2; EP3276084A1; US11377810B2; WO2019025494A1

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

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