Title (en)

HOSE ARRANGEMENT FOR CREATING A BUBBLE CURTAIN IN WATER

Title (de)

SCHLAUCHANORDNUNG ZUM ERZEUGEN EINES BLASENSCHLEIERS IN GEWÄSSERN

Title (fr)

AGENCEMENT DE TUYAU PERMETTANT DE CRÉER UNE BARRIÈRE À BULLES DANS LES EAUX

Publication

EP 4141173 B1 20230927 (DE)

Application

EP 21192607 A 20210823

Priority

EP 21192607 A 20210823

Abstract (en)

[origin: US2023059977A1] The present invention relates to a hose arrangement (100) for creating a bubble curtain (BS) in bodies of water, comprisingat least one air hose (4) including an interior space (4b) enclosed by a wall (4a), where a perforation (9) consisting of individual punctures (9a) is introduced in the wall (4a) at least in an upper, first circumferential area (B1), from which air can be discharged, when the interior space (4b) is pressurized, for creating a bubble curtain (BC) extending in the longitudinal direction (X) of the air hose (4), anda ballast receptacle (20) including a receiving area (8) extending in the longitudinal direction (X), in which an elongates ballast element (21) is received.The invention provides that the air hose (4) is jacketed by a support sheath (10) including material bars (10a) and intermediate openings (10b), the air hose (4) being connected in a connecting area (15) via the support sheath (10) to the ballast receptacle (20), and the openings (10b) being positioned at least in the first circumferential area (B1) of the air hose (4) so as to allow air to be discharged from the perforation (9) in the air hose (4).

IPC 8 full level

E02D 13/00 (2006.01)

CPC (source: EP US)

B05B 1/207 (2013.01 - US); **E02D 13/005** (2013.01 - EP US); **G10K 11/161** (2013.01 - US)

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)

EP 4141173 A1 20230301; **EP 4141173 B1 20230927**; **EP 4141173 C0 20230927**; PL 4141173 T3 20240226; TW 202311602 A 20230316; US 11846080 B2 20231219; US 2023059977 A1 20230223

DOCDB simple family (application)

EP 21192607 A 20210823; PL 21192607 T 20210823; TW 111131646 A 20220823; US 202217893474 A 20220823