

Title (en)

MATERIAL COLLECTION CONTAINER OF A SUCTION DREDGER WITH IMPROVED RESISTANCE TO NEGATIVE PRESSURE

Title (de)

MATERIALSAMMELBEHÄLTER EINES SAUGBAGGERS MIT VERBESSERTER UNTERDRUCKSTEIFIGKEIT

Title (fr)

RÉCIPIENT DE COLLECTE DE MATIÈRE D'UNE DRAGUE SUCEUSE PRÉSENTANT UNE RÉSISTANCE AMÉLIORÉE À LA PRESSION NÉGATIVE

Publication

**EP 4384667 A1 20240619 (DE)**

Application

**EP 22802099 A 20221013**

Priority

- DE 102021128037 A 20211027
- DE 102021128038 A 20211027
- EP 2022078573 W 20221013

Abstract (en)

[origin: WO2023072617A1] The invention relates to a material collection container (01) of a suction dredger. The material collection container extends in the longitudinal direction of the suction dredger and comprises a container wall (02) which is closed by end walls at its two ends. A lid (06) is mounted so as to pivot about a lid axis such that the material collection container is closed at the top in a closure position and open in an emptying position. The material collection container also has a seal (07) which extends between an upper edge (08) of the material collection container and the lid in the closure position such that the seal seals the material collection container in the closure position, such that a negative pressure can be generated in the container. The material collection container has a substantially U-shaped cross-section. The container wall has a plurality of side segment faces (09) which extend in the longitudinal direction and transition into one another at reinforcement edges. At least some of the side segment faces are at an angle to one another. The bent upper edge (08) is designed as a hollow profile. The seal (07) is recessed in a groove (12) on the side of the lid (06) directed towards the upper edge (08). The invention also relates to a suction dredger comprising such a material collection container.

IPC 8 full level

**E02F 3/88** (2006.01); **B60P 1/64** (2006.01); **E02F 9/08** (2006.01)

CPC (source: EP)

**E02F 3/8816** (2013.01); **E02F 9/0883** (2013.01); **E02F 9/0891** (2013.01)

Citation (search report)

See references of WO 2023072617A1

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**WO 2023072617 A1 20230504**; CA 3235001 A1 20230504; EP 4384667 A1 20240619

DOCDB simple family (application)

**EP 2022078573 W 20221013**; CA 3235001 A 20221013; EP 22802099 A 20221013