

Title (en)
DREDGER

Title (de)
BAGGER

Title (fr)
BATEAU DE TRAVAIL DE DRAGAGE

Publication
EP 3985177 A1 20220420 (EN)

Application
EP 20822957 A 20200609

Priority
• JP 2019109829 A 20190612
• JP 2020022680 W 20200609

Abstract (en)
A dredger is provided in which a wire is hung down from an extremity part of a boom that tiltably has an axial support on a hull, a winch device provided on the hull is capable of taking up and letting out the wire, a bucket device is suspended from the wire, and the bucket device scoops up and excavates sediment on a water bottom and can feed the sediment under pressure to a sediment collection location above water through a sediment transport pipe, wherein the boom (B) tiltably has the axial support on the hull (1) and is tiltably formed in a vertical direction underwater, and the wire (W) can hang down from the extremity part (Ba) of the boom (B) underwater, the winch device (2) provided on the hull (1) being capable of taking up and letting out the wire (W). This enables the problems of a conventional device accompanying the use of the wire hanging down length wise from above water to near the water to be solved while exploiting an advantage, such that excavation can be conducted efficiently by utilizing the self-weight of the bucket device, of the bucket device suspended from the wire.

IPC 8 full level
E02F 3/88 (2006.01); **E02F 3/92** (2006.01)

CPC (source: CN EP)
E02F 3/47 (2013.01 - EP); **E02F 3/88** (2013.01 - CN); **E02F 3/8841** (2013.01 - EP); **E02F 3/885** (2013.01 - CN); **E02F 3/90** (2013.01 - CN); **E02F 3/907** (2013.01 - CN EP); **E02F 3/92** (2013.01 - CN); **E02F 3/9212** (2013.01 - CN EP); **E02F 3/9225** (2013.01 - CN); **E02F 5/28** (2013.01 - CN); **E02F 5/282** (2013.01 - CN); **E02F 7/04** (2013.01 - CN EP); **E02F 7/10** (2013.01 - CN)

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3985177 A1 20220420; **EP 3985177 A4 20230621**; CN 113939629 A 20220114; CN 113939629 B 20230627; JP 7186986 B2 20221212; JP WO2020250885 A1 20201217; WO 2020250885 A1 20201217

DOCDB simple family (application)
EP 20822957 A 20200609; CN 202080042914 A 20200609; JP 2020022680 W 20200609; JP 2021526092 A 20200609