

Title (en)

Method and apparatus for forming a trench in a sea floor

Title (de)

Verfahren und Vorrichtung zur Herstellung eines Grabens in einem Gewässergrund

Title (fr)

Procédé et appareil de formation d'une tranchée dans un fond marin

Publication

EP 2840187 A1 20150225 (EN)

Application

EP 13181359 A 20130822

Priority

EP 13181359 A 20130822

Abstract (en)

A universal plough (2) apparatus for forming a trench in a sea floor is disclosed. The plough comprises a body (4) and a share (20) supported by the body for cutting a trench in the sea floor by means of towing of the plough. The share is adapted to cut a first trench portion having first side walls inclined relative to each other, and a share extension boot (38) is adapted to cut a second trench portion having generally parallel side walls in the first trench portion subsequently to cutting of the first trench portion.

IPC 8 full level

E02F 3/88 (2006.01); **E02F 5/10** (2006.01); **E02F 5/12** (2006.01)

CPC (source: EP)

E02F 3/8875 (2013.01); **E02F 5/106** (2013.01); **E02F 5/125** (2013.01)

Citation (search report)

- [YA] GB 2285821 A 19950726 - SOIL MACHINE DYNAMICS LTD [GB]
- [YA] EP 0296783 A1 19881228 - LAND & MARINE ENG LTD [GB]
- [A] GB 2017785 A 19791010 - BROWN & ASSOC CORP AG R J
- [A] GB 2329201 A 19990317 - SOIL MACHINE DYNAMICS LTD [GB]
- [XAYI] US 4069679 A 19780124 - MANLEY JR ROBERT B
- [A] US 2004031174 A1 20040219 - BALLARD MICHAEL L [US]
- [A] US 3788085 A 19740129 - HOLBERG R
- [XAY] US 3540226 A 19701117 - SHERROD BUDDY L
- [XA] EP 0116410 A1 19840822 - BRITISH PETROLEUM CO PLC [GB]
- [XAY] US 4410297 A 19831018 - LYNCH ROBERT P [US]

Cited by

EP3216925A1; EP3677727A1; EP3584375A1; GB2573588A; CN106560564A; GB2573530A; US11613870B2; WO2020148514A1; WO2019215444A1; WO2017153184A1; KR20180121596A; US2019032303A1; JP2019515158A; JP2022060519A; US10711432B2

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 2840187 A1 20150225

DOCDB simple family (application)

EP 13181359 A 20130822