

Title (en)

SUBMARINE TRENCHING VEHICLE AND METHOD

Title (de)

FAHRZEUG UND VERFAHREN ZUM SCHNEIDEN VON UNTERWASSER-BODENGRÄBEN

Title (fr)

PROCEDE ET ENGIN DE FORMATION DE TRANCHEES SOUS-MARINES

Publication

EP 1073800 A1 20010207 (EN)

Application

EP 99915890 A 19990408

Priority

- GB 9901083 W 19990408
- GB 9808370 A 19980421

Abstract (en)

[origin: WO9954556A1] A submarine trenching vehicle (1) for laying a rigid or large semi-flexible pipe (2) in a trench (3) on the sea floor (4) is disclosed. The vehicle (1) comprises a vehicle body (5) adapted to travel along the sea floor (4) and a trench cutter comprising a heavy duty chain cutter (9) for cutting a trench having substantially vertical side walls in the sea floor (4). The vehicle (1) also includes a pipe support roller system (8) for supporting the pipe (2) above the trench cutting means prior to insertion of the pipe in the sea floor, and substantially without displacement thereof in a substantially horizontal direction transverse to the axis of the pipe (2) when the trench cutting means remains within a predetermined distance in that direction of an intended trench position.

IPC 1-7

E02F 5/10

IPC 8 full level

E02F 5/10 (2006.01); **E02F 5/14** (2006.01)

CPC (source: EP)

E02F 5/06 (2013.01); **E02F 5/102** (2013.01); **E02F 5/105** (2013.01); **E02F 5/107** (2013.01); **E02F 5/109** (2013.01); **E02F 5/14** (2013.01)

Citation (search report)

See references of WO 9954556A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 9954556 A1 19991028; AU 3431499 A 19991108; EP 1073800 A1 20010207; GB 9808370 D0 19980617; JP 2002512323 A 20020423; NO 20005306 D0 20001020; NO 20005306 L 20001220

DOCDB simple family (application)

GB 9901083 W 19990408; AU 3431499 A 19990408; EP 99915890 A 19990408; GB 9808370 A 19980421; JP 2000544876 A 19990408; NO 20005306 A 20001020