

Title (en)

Cutter head drive

Title (de)

Schneidkopfantrieb.

Title (fr)

Entraînement pour tête coupante.

Publication

**EP 1882783 A2 20080130 (EN)**

Application

**EP 07075644 A 20070726**

Priority

- NL 1032246 A 20060728
- NL 1032247 A 20060728
- NL 1032670 A 20061012

Abstract (en)

Device for the excavation and removal of material from a bottom of a water body, comprising a cutter member (9) for loosening the soil material and a discharge pipe line (7) for the loosened soil material, as well as a support structure, such as a ladder (1), for supporting the discharge pipe line (7), wherein the soil material is transported through the discharge pipe line (7) by means of a pump (15), furthermore provided with rotation means (11,12,...) for rotation of the cutter member, wherein the cutter member (9) has a number of cutting means (33) and defines a space between the cutting means and the entrance of the discharge pipe line, wherein at the entrance of the discharge pipe line a filling piece (8) is arranged, provided with a suction passage (51) between the entrance and the space in order to define a suction mouth, wherein the exit opening of the suction passage to the discharge pipe line contains the centre line (S) of the discharge pipe line and the rotary centre line of the cutter member.

IPC 8 full level

**E02F 3/92** (2006.01)

CPC (source: EP)

**E02F 3/9218** (2013.01); **E02F 3/9231** (2013.01)

Cited by

CN112267511A; EP2107167A1; CN113931246A; CN102152051A; DE102014002967A1; DE102014002967B4; US8127473B2; WO2023030145A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**EP 1882783 A2 20080130; EP 1882783 A3 20090722**

DOCDB simple family (application)

**EP 07075644 A 20070726**