

Title (en)

FLUID SCREW AND DEVICE FOR OPERATING A FLUID SCREW

Title (de)

FLÜSSIGKEITSSCHRAUBE UND VORRICHTUNG ZUM BETREIBEN EINER FLÜSSIGKEITSSCHRAUBE

Title (fr)

VIS SANS FIN POUR DÉPLACER DES LIQUIDES ET DISPOSITIF POUR FAIRE FONCTIONNER UNE VIS SANS FIN POUR DÉPLACER DES LIQUIDES

Publication

EP 2795100 A1 20141029 (DE)

Application

EP 12810092 A 20121217

Priority

- DE 102011056954 A 20111222
- DE 102012101785 A 20120302
- EP 2012005198 W 20121217

Abstract (en)

[origin: WO2013091813A1] Fluid screws (10) or hydrodynamic screws, such as in particular, Archimedean screws, are used in various designs to convey fluids and also to produce electrical energy. Because of the continual increase in the size of fluid screws (10), tolerances and gap dimensions also become greater, thereby leading to an increased risk to aquatic animals. The invention addresses this problem by providing a seal in the gap (22) between the fluid screw (10) and the surrounding trough (16), the seal consisting preferably of a flexible or fluid material. This prevents aquatic animals from penetrating the gap (22) and becoming endangered.

IPC 8 full level

F03B 3/04 (2006.01); **F03B 11/00** (2006.01); **F03B 17/06** (2006.01)

CPC (source: EP)

F03B 3/04 (2013.01); **F03B 3/10** (2013.01); **F03B 7/00** (2013.01); **F03B 11/006** (2013.01); **F03B 17/061** (2013.01); **F05B 2240/243** (2013.01); **F05B 2240/57** (2013.01); **F05B 2240/571** (2013.01); **Y02E 10/20** (2013.01); **Y02E 10/30** (2013.01)

Citation (search report)

See references of WO 2013091813A1

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

DOCDB simple family (publication)

DE 202012100753 U1 20120419; DE 102012101785 A1 20130627; EP 2795100 A1 20141029; WO 2013091813 A1 20130627

DOCDB simple family (application)

DE 202012100753 U 20120302; DE 102012101785 A 20120302; EP 12810092 A 20121217; EP 2012005198 W 20121217