

Title (en)
UNDERWATER SEDIMENT MANAGEMENT

Title (de)
UNTERWASSERSEDIMENTVERWALTUNG

Title (fr)
GESTION DE SEDIMENTS SUBAQUATIQUES

Publication
EP 1585867 A1 20051019 (EN)

Application
EP 04705127 A 20040126

Priority
• GB 2004000309 W 20040126
• GB 0301660 A 20030124

Abstract (en)
[origin: WO2004065700A1] The present invention relates to underwater sediment management. In particular, we will describe dredging and scouring apparatus for removing sand, silt, clay and like materials from sea or river beds. There is described an apparatus comprising a body (10) having a bottom face (13, 14) and comprising an outlet flow path (28) in which is mounted propeller thrust means (29) to direct, in use, a swirling jet of water downwards towards an area of sea or river bed or the like, orientation means (48, 49) to connect said apparatus, in use, to a support means to orientate said apparatus with respect to the sea or river bed, and at least one inlet flow path (30) through which water is supplied, in use, to the propeller thrust means (29); characterised in that the inlet (30) and outlet (28) flow paths are provided with respective openings in the bottom face (13, 14) of the body. In the preferred embodiments, the inlet and outlet flow paths are parallel, but of opposite directions.

IPC 1-7
E02F 3/92; **E02F 5/00**

IPC 8 full level
E02F 3/92 (2006.01); **E02F 5/00** (2006.01)

CPC (source: EP US)
E02F 3/9206 (2013.01 - EP US); **E02F 5/006** (2013.01 - EP US)

Citation (search report)
See references of WO 2004065700A1

Cited by
EP4332322A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004065700 A1 20040805; CA 2514065 A1 20040805; EP 1585867 A1 20051019; GB 0301660 D0 20030226; US 2006150445 A1 20060713

DOCDB simple family (application)
GB 2004000309 W 20040126; CA 2514065 A 20040126; EP 04705127 A 20040126; GB 0301660 A 20030124; US 54271004 A 20040126