

Title (en)
CUTTER HEAD FOR DREDGING GROUND, CUTTER SUCTION DREDGER PROVIDED WITH SUCH A CUTTER HEAD AND USE OF THE CUTTER HEAD FOR DREDGING GROUND

Title (de)
SCHNEIDKOPF ZUM AUSBAGGERN VON ERDE, SAUGBAGGER AUSGESTATTET MIT SOLCH EINEM SCHNEIDKOPF UND BENUTZUNG DIESES SCHNEIDKOPFS ZUM AUSBAGGERN VON ERDE

Title (fr)
TÊTE DE COUPE POUR LE DRAGAGE DE SOL, DRAGUE ASPIRANTE POURVUE D'UNE TELLE TÊTE ET UTILISATION DE CETTE TÊTE DE COUPE POUR LE DRAGAGE DE SOL

Publication
EP 2452022 A1 20120516 (EN)

Application
EP 10728679 A 20100705

Priority
• EP 2010059568 W 20100705
• BE 200900412 A 20090706

Abstract (en)
[origin: WO2011003869A1] The invention relates to a cutter head (10) for dredging ground under water, this cutter head being suitable for attachment rotatably around a central axis to the ladder (2) of a cutter suction dredger (1) and for being moved through the ground therewith in a lateral sweeping movement, the cutter head comprising a base ring(13), a hub(14) situated at a distance in the direction of the central axis from the base ring, and a plurality of support arms (15) extending from the base ring to the hub, wherein a passage opening(16) is located between support arms and wherein the cutting tools (20) are axisymmetrical, at least at their free outer end. The invented cutter head has an increased efficiency, in particular for ground with an Unconfined Compressive Strength (UCS) of at least 50 MPa.

IPC 8 full level
E02F 3/92 (2006.01); **E02F 9/28** (2006.01)

CPC (source: EP US)
E02F 3/9231 (2013.01 - EP US); **E02F 9/2866** (2013.01 - EP US)

Citation (search report)
See references of WO 2011003869A1

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 SE SI SK SM TR

DOCDB simple family (publication)
WO 2011003869 A1 20110113; AR 077551 A1 20110907; AU 2010270277 A1 20120202; AU 2010270277 B2 20151112; BE 1018585 A3 20110405; EP 2452022 A1 20120516; EP 2452022 B1 20130911; EP 2452022 B2 20210127; ES 2438503 T3 20140117; ES 2438503 T5 20211103; HK 1166829 A1 20121109; JP 2012532263 A 20121213; JP 5856053 B2 20160209; MX 2012000292 A 20120208; MY 173705 A 20200217; NZ 597501 A 20130830; PT 2452022 E 20131216; SG 177457 A1 20120228; TW 201114988 A 20110501; TW I523995 B 20160301; US 2012272552 A1 20121101; ZA 201200095 B 20120926

DOCDB simple family (application)
EP 2010059568 W 20100705; AR P100102421 A 20100706; AU 2010270277 A 20100705; BE 200900412 A 20090706; EP 10728679 A 20100705; ES 10728679 T 20100705; HK 12107570 A 20120801; JP 2012518949 A 20100705; MX 2012000292 A 20100705; MY PI2011006399 A 20100705; NZ 59750110 A 20100705; PT 10728679 T 20100705; SG 2011097706 A 20100705; TW 99122108 A 20100706; US 201013382514 A 20100705; ZA 201200095 A 20120105