

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

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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

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CPC (source: EP US)

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

Citation (opposition)

Opponent :

- US 4319415 A 19820316 - MAYERBOECK GOTTFRIED, et al
- WO 2005035884 A1 20050421 - JAN DE NUL N V [BE], et al

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