

Title (en)
A CUTTER HEAD FOR A DRILL CUTTER WITH SUCTION FUNCTION

Title (de)
FRÄSKOPF FÜR EINEN BOHRFRÄSER MIT SAUGFUNKTION

Title (fr)
TÊTE DE COUPE POUR FRAISE DE PERÇAGE AVEC FONCTION D'ASPIRATION

Publication
EP 4111001 A1 20230104 (EN)

Application
EP 20710631 A 20200228

Priority
NL 2020050132 W 20200228

Abstract (en)
[origin: WO2021172978A1] The invention relates to a cutter head (1) for removing a mixture comprising water and solid materials from a water bottom, said cutter head being rotatable around a rotation axis (6), said cutter head comprising blades (2, 3, 4, 5) helically placed around the rotation axis with a leading edge (7) at a position directed away from said rotation axis, for collecting and transporting said mixture. The blades extend from a central axis positioned near the rotation axis towards the leading edge for providing a substantially continuous transport route towards a tube (8) connected to said cutter head, such that said mixture is transported between a first side of a first blade part and an opposite side of an adjacent second blade part towards the tube connected to said cutter head. A preferred embodiment comprises a method for using the cutter head according to the invention.

IPC 8 full level
E02F 3/92 (2006.01)

CPC (source: EP)
E02F 3/9231 (2013.01)

Citation (search report)
See references of WO 2021172978A1

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

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2021172978 A1 20210902; EP 4111001 A1 20230104

DOCDB simple family (application)
NL 2020050132 W 20200228; EP 20710631 A 20200228