

Title (en)

SLURRY WALL CUTTER AND METHOD FOR CREATING A MILLED SLOT IN THE GROUND

Title (de)

SCHLITZWANDFRÄSE UND VERFAHREN ZUM BILDEN EINES FRÄSSCHLITZES IM BODEN

Title (fr)

FRAISE POUR PAROIS MOULÉES ET PROCÉDÉ DE FORMATION D'UNE FENTE FRAISÉE DANS LE SOL

Publication

EP 4311882 B1 20240828 (DE)

Application

EP 22187410 A 20220728

Priority

EP 22187410 A 20220728

Abstract (en)

[origin: US2024035252A1] The invention relates to a trench cutter comprising a cutter frame, at least one rotatably drivable cutter wheel, which has cutting teeth on its outer circumference for removing ground material, at least one bearing shield, which is arranged on the underside of the cutter frame and is configured to support the at least one cutter wheel, at least one conveyor box, which has at least one opening for discharging removed ground material and/or for feeding a suspension and is arranged in the region of the at least one bearing shield, wherein the at least one cutter wheel has, on its side facing the bearing shield, at least one flap tooth which can be adjusted between an unfolded position, in which the flap tooth removes ground material below the bearing shield, and a folded position for running past at the bearing shield. According to the invention, it is provided that a conveying side facing the cutter wheel is provided on the conveyor box with at least one opening, past which the cutting teeth and the at least one flap tooth run with no or little distance, wherein a recess is formed on the conveying side with respect to adjacent regions for the at least one flap tooth to run past.

IPC 8 full level

E02D 17/13 (2006.01); **E02F 3/20** (2006.01); **E02F 9/28** (2006.01)

CPC (source: EP US)

E02D 17/13 (2013.01 - EP); **E02F 3/205** (2013.01 - EP US); **E02F 3/245** (2013.01 - EP); **E02F 3/9231** (2013.01 - EP); **E02F 5/08** (2013.01 - US); **E02F 5/14** (2013.01 - US); **E02F 9/2858** (2013.01 - US); **E02F 9/2866** (2013.01 - EP)

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)

EP 4311882 A1 20240131; **EP 4311882 B1 20240828**; US 2024035252 A1 20240201

DOCDB simple family (application)

EP 22187410 A 20220728; US 202318355205 A 20230719