

Title (en)

Apparatus with telescopic frame for digging trenches in the ground

Title (de)

Vorrichtung mit teleskopischem Rahmen zum Graben von Tiefgräben im Boden

Title (fr)

Appareil à châssis télescopique pour creuser des tranchées dans le sol

Publication

EP 0811724 B1 20040421 (FR)

Application

EP 97401224 A 19970603

Priority

FR 9606871 A 19960604

Abstract (en)

[origin: EP0811724A1] The vertical trench cutter consists of a frame (1) with two pairs of cutting drums (2) on its lower end which are rotated to loosen the soil. The frame is also equipped with anchors (12) to engage with the trench walls and telescopic thrust units (10) which apply a pressure to the cutting drums in the direction of the frame's lengthwise axis. The trench cutter frame also has positioners (11) to guide it relative to the trench, while the frame itself comprises a tool carrier (1a) which supports the drums and their drive motor, and an anchoring section (1b). During operation the soil loosened by the cutting drums is sucked up by a pump (5) and discharged above the trench level.

IPC 1-7

E02F 3/20

IPC 8 full level

E02D 17/13 (2006.01); **E02F 3/20** (2006.01); **E02F 5/02** (2006.01); **E02F 5/08** (2006.01)

CPC (source: EP KR)

E02D 17/13 (2013.01 - EP KR); **E02F 3/205** (2013.01 - EP KR); **E02F 3/24** (2013.01 - KR)

Cited by

EP3401444A1; CN102677720A; US10822767B2; DE102005059824B3; EP1640509A1; EP2251491A1; CN114000557A; JP2018526550A; JP2018526551A; CN108867735A; EP1580327A1; CN100357529C; JP2018526552A; CN103770224A; US2021270000A1; US7497038B2; US7363733B2; DE202016008570U1; DE202016008567U1; US10724200B2; WO2020012124A1; FR3083819A1; EP4279659A1; WO2023222363A1

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