

Title (en)

Slit wall digging device with direction control system

Title (de)

Tiefbauvorrichtung zum Herstellen von Schlitzten im Boden mit Lenk- und Steuereinrichtung

Title (fr)

Benne de forage pour creuser des tranchées dans le sol avec commande de direction

Publication

EP 1703023 A1 20060920 (DE)

Application

EP 05006038 A 20050318

Priority

EP 05006038 A 20050318

Abstract (en)

The device has a soil erosion device and a control device (1) with two pairs of control flaps supported at a framework (12) and two guide wheels (5). The flaps and a servo-jack align the tool in a desired position when the tool is deviated. Force and an adjustment path of the jack are distributed on the flaps. The wheels are pivoted at a pivot arm such that the digging device is shifted laterally during the formation of slots.

IPC 8 full level

E02D 17/13 (2006.01); **E02F 3/20** (2006.01); **E02F 3/47** (2006.01)

CPC (source: EP KR US)

E02D 17/13 (2013.01 - EP US); **E02F 3/205** (2013.01 - EP US); **E02F 5/02** (2013.01 - KR)

Citation (applicant)

- DE 3615068 C1 19871008 - DYCKERHOFF & WIDMANN AG
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Citation (search report)

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- [DY] DE 3615068 C1 19871008 - DYCKERHOFF & WIDMANN AG
- [DA] EP 0518298 A1 19921216 - BAUER SPEZIALTIEFBAU [DE]
- [A] EP 0593355 A1 19940420 - DU SOL COMP [FR]
- [A] DE 69821726 T2 20041202 - CIE DU SOL NANTERRE [FR]
- [YA] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 03 28 April 1995 (1995-04-28)
- [A] PATENT ABSTRACTS OF JAPAN vol. 015, no. 457 (M - 1181) 20 November 1991 (1991-11-20)

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DE FR IT

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DOCDB simple family (application)

EP 05006038 A 20050318; CA 2537970 A 20060228; CN 200610068237 A 20060320; JP 2006076186 A 20060320; KR 20060021635 A 20060308; RU 2006106485 A 20060302; SG 200601728 A 20060316; US 37601206 A 20060315