

Title (en)

Method for guiding a digging tool during the excavation of a trench wall, and digging tool to be used in the method.

Title (de)

Verfahren zur Führung eines Ausgrabungswerkzeugs für Bodenschlitzwände und Ausgrabungswerkzeug zur Durchführung des Verfahrens.

Title (fr)

Procédé de guidage de l'outil d'excavation utilisé pour la réalisation d'une paroi moulée dans le sol, et outil d'excavation pour la mise en oeuvre de ce procédé.

Publication

EP 0509934 A1 19921021 (FR)

Application

EP 92401097 A 19920417

Priority

FR 9104847 A 19910419

Abstract (en)

The invention relates to a method for guiding the digging tool used to dig the trenches necessary for forming, by successive or alternate panels, a wall cast in the ground, characterised in that : a) a digging tool (4) equipped with a first guiding means (5) is provided, b) a second guiding means (3) is arranged at the end of a previously dug trench, which extends substantially over the whole depth of this trench; then c) the guiding means are engaged after the panel (1) has been formed in the previously dug trench; and d) the digging tool is controlled so as to create a force which tends to keep the guiding means mutually engaged while the next trench is being dug. <??>Use in the civil engineering field <IMAGE>

IPC 1-7

E02D 17/13; **E02F 5/10**

IPC 8 full level

E02D 5/20 (2006.01); **E02D 17/13** (2006.01); **E02F 3/20** (2006.01); **E02F 3/26** (2006.01); **E02F 5/02** (2006.01); **E02F 5/08** (2006.01)

CPC (source: EP US)

E02D 17/13 (2013.01 - EP US); **E02F 3/26** (2013.01 - EP US); **E02F 3/475** (2013.01 - EP US)

Citation (search report)

- [A] EP 0333577 A1 19890920 - SIF ENTREPRISE [FR]
- [A] FR 2617881 A1 19890113 - SPIE BATIGNOLLES [FR]

Cited by

US11225769B2; US9371623B2; US10988911B2

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0509934 A1 19921021; **EP 0509934 B1 19950322**; AT E120248 T1 19950415; AU 1491792 A 19921022; AU 656368 B2 19950202; CA 2066359 A1 19921020; DE 509934 T1 19930609; DE 69201743 D1 19950427; DE 69201743 T2 19950713; ES 2039324 T1 19931001; FR 2675526 A1 19921023; GR 930300042 T1 19930621; JP H06316935 A 19941115; TW 216812 B 19931201; US 5263798 A 19931123

DOCDB simple family (application)

EP 92401097 A 19920417; AT 92401097 T 19920417; AU 1491792 A 19920415; CA 2066359 A 19920416; DE 69201743 T 19920417; DE 92401097 T 19920417; ES 92401097 T 19920417; FR 9104847 A 19910419; GR 930300042 T 19930621; JP 9953992 A 19920420; TW 81106480 A 19920817; US 86887792 A 19920416