

Title (en)

Method for creation underground diaphragm walls carried out with control and adjustment of the vertical positions and diaphragm wall so manufactured

Title (de)

Verfahren zur Herstellung von Schlitzwänden mit Kontrolle und Richtigstellung der Vertikallage und derart hergestellte Schlitzwand

Title (fr)

Méthode pour former des barrettes enterrées mises en oeuvre avec contrôle et ajustement de position verticale et barrette en résultant

Publication

EP 1803853 A1 20070704 (EN)

Application

EP 06425003 A 20060103

Priority

EP 06425003 A 20060103

Abstract (en)

The invention refers to a procedure for constructing diaphragm walls for reinforcing the land and diaphragm wall so manufactured. The procedure involves constructing diaphragm panels adjacent to each other, continuously controlling and adjusting the verticality (both lengthways and crossways) and subsequently casting the concrete in the dig after positioning an appliance which is fitted with a device to control and adjust the verticality to guarantee perfect adherence between the faces of the joints in adjacent panels. If required, when faced with extensive pressure or movement of the ground, the procedure provides the use of a flexible joint that guarantees a continuous barrier. The use of the described procedure is essential to guarantee the efficiency of the constructed product.

IPC 8 full level

E02D 5/18 (2006.01); **E02D 13/04** (2006.01); **E02D 17/13** (2006.01)

CPC (source: EP)

E02D 5/185 (2013.01); **E02D 13/04** (2013.01); **E02D 17/13** (2013.01)

Citation (search report)

- [X] FR 2617881 A1 19890113 - SPIE BATIGNOLLES [FR]
- [A] FR 2825393 A1 20021206 - CIE DU SOL [FR]
- [A] EP 0580926 A1 19940202 - RODIO & C CONST G [IT]
- [A] FR 2473091 A1 19810710 - SIF ENTREPRISE BACHY [FR]

Cited by

US10988911B2; DE102013205765A1; US11225769B2; US9371623B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1803853 A1 20070704; **EP 1803853 B1 20090930**; **EP 1803853 B8 20100519**; AT E444406 T1 20091015; DE 602006009472 D1 20091112; ES 2334700 T3 20100315; HR P20090659 T1 20100731; PL 1803853 T3 20100331; PT 1803853 E 20100107; SI 1803853 T1 20100331

DOCDB simple family (application)

EP 06425003 A 20060103; AT 06425003 T 20060103; DE 602006009472 T 20060103; ES 06425003 T 20060103; HR P20090659 T 20091211; PL 06425003 T 20060103; PT 06425003 T 20060103; SI 200630521 T 20060103