

Title (en)

METHOD OF FORMING A RETAINING WALL FROM A ROUGH SOIL-MIXING WALL

Title (de)

VERFAHREN ZUM HERSTELLEN EINER SCHLITZWAND ANHAND EINES ROHEN SOIL-MIXING SCHLITZWANDSTEILS

Title (fr)

PROCEDE DE FABRICATION D'UNE PAROI DE SOUTÈNEMENT A PARTIR D'UNE PAROI BRUTE EN SOIL-MIXING.

Publication

**EP 2714998 B1 20181226 (FR)**

Application

**EP 12731065 A 20120525**

Priority

- FR 1154817 A 20110601
- FR 2012051178 W 20120525

Abstract (en)

[origin: CA2837506A1] The invention relates to a method for manufacturing a retaining wall (20), which comprises: a step of manufacturing a rough wall (10) in soil (S), including a step of digging a trench in the soil and a step of simultaneously mixing soil in place with a binder; and a step of excavating an amount of soil adjacent to the rough wall so as to reveal one side (16) of the rough wall. The invention is characterised in that the method further comprises: a step of treating the rough wall, during which a protective treatment material is applied onto said side, said material including a polymeric material so as to obtain a retaining wall, the thickness (e5) of which is substantially equal to the thickness (e1) of the rough wall.

IPC 8 full level

**E02D 5/18** (2006.01); **E02D 19/18** (2006.01); **E02D 29/02** (2006.01)

CPC (source: EP US)

**E02D 5/18** (2013.01 - EP US); **E02D 5/187** (2013.01 - EP US); **E02D 19/18** (2013.01 - EP US); **E02D 29/02** (2013.01 - US)

Citation (examination)

- JP S5883729 A 19830519 - OBAYASHI GUMI KK
- ANONYMOUS ET AL: "8/2010 CSM Cutter Soil Mixing Process and equipment", 1 January 2010 (2010-01-01), pages 31 - 1, XP055393026, Retrieved from the Internet <URL:http://www.rtg-rammtechnik.de/export/sites/www.rtg-rammtechnik.de/pdf/process/905-656-2.pdf> [retrieved on 20170721]
- SUBSURFACE CONDITIONS: "California Department of Transportation Doyle Drive Test Program Contract No. 04A3362 Deep Soil Mixing (DSM) / Cutter Soil Mixing (CSM) Testing Report", 31 May 2010 (2010-05-31), XP055393059, Retrieved from the Internet <URL:http://cncement.org/wp-content/uploads/2014/05/Deep-Soil-Mixing-DSM-Cutter-Soil-Mixing-CSM-Testing-Report.pdf> [retrieved on 20170721]

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)

**FR 2976003 A1 20121207**; **FR 2976003 B1 20210129**; AU 2012266120 A1 20140109; AU 2012266120 B2 20170810; CA 2837506 A1 20121213; CA 2837506 C 20180327; EP 2714998 A1 20140409; EP 2714998 B1 20181226; PL 2714998 T3 20190731; US 2014219729 A1 20140807; US 9428879 B2 20160830; WO 2012168616 A1 20121213

DOCDB simple family (application)

**FR 1154817 A 20110601**; AU 2012266120 A 20120525; CA 2837506 A 20120525; EP 12731065 A 20120525; FR 2012051178 W 20120525; PL 12731065 T 20120525; US 201214123101 A 20120525