

Title (en)

OPEN-BOTTOM EXTENSIBLE SHELLS AND RELATED METHODS FOR CONSTRUCTING A SUPPORT PIER

Title (de)

DEHNBARE HÜLLEN MIT OFFENEM BODEN UND ZUGEHÖRIGE VERFAHREN ZUR KONSTRUKTION EINES STÜTZPFEILERS

Title (fr)

COQUES EXTENSIBLES À FOND OUVERT ET PROCÉDÉS ASSOCIÉS POUR LA CONSTRUCTION DE PILIER DE SUPPORT

Publication

EP 3329053 A4 20190327 (EN)

Application

EP 16831234 A 20160726

Priority

- US 201514809579 A 20150727
- US 2016044038 W 20160726

Abstract (en)

[origin: WO2017019682A1] Extensible shells and related methods for constructing a support pier are disclosed. An extensible shell can define an interior for holding granular construction material and define a first opening at a first end for receiving the granular construction material into the interior and a second opening at a second end. The extensible shell can be flexible such that the shell expands when granular construction material is compacted in the interior of the shell. A method may include positioning the extensible shell in the ground and filling at least a portion of the interior of the shell with the granular construction material. The granular construction material may be compacted in the interior of the extensible shell to form a support pier.

IPC 8 full level

E02D 7/28 (2006.01); **E02D 23/00** (2006.01)

CPC (source: EP KR)

E02D 3/08 (2013.01 - EP); **E02D 7/28** (2013.01 - EP KR); **E02D 27/18** (2013.01 - KR); **E02D 2200/1685** (2013.01 - KR); **E02D 2250/0053** (2013.01 - KR)

Citation (search report)

- [X] US 2011064526 A1 20110317 - WHITE DAVID J [US]
- [A] US 4397588 A 19830809 - GOUGHNOUR R ROBERT
- See references of WO 2017019682A1

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)

WO 2017019682 A1 20170202; AU 2016298233 A1 20180215; AU 2016298233 B2 20210812; CA 2993469 A1 20170202; CA 2993469 C 20240102; CO 2018000746 A2 20180419; CR 20180059 A 20180420; EP 3329053 A1 20180606; EP 3329053 A4 20190327; KR 102535225 B1 20230519; KR 20180034584 A 20180404; MX 2018000906 A 20180706; NZ 739321 A 20230630; PH 12018500218 A1 20180813; PH 12018500218 B1 20180813

DOCDB simple family (application)

US 2016044038 W 20160726; AU 2016298233 A 20160726; CA 2993469 A 20160726; CO 2018000746 A 20180125; CR 20180059 A 20160726; EP 16831234 A 20160726; KR 20187005632 A 20160726; MX 2018000906 A 20160726; NZ 73932116 A 20160726; PH 12018500218 A 20180126