

Title (en)

TOP-TO-BOTTOM CONSTRUCTION SYSTEM

Title (de)

SYSTEM ZUR TOP-TO-BOTTOM-KONSTRUKTION

Title (fr)

SYSTÈME DE CONSTRUCTION DE HAUT EN BAS

Publication

**EP 3645795 A1 20200506 (EN)**

Application

**EP 18822765 A 20180626**

Priority

- AU 2017902464 A 20170626
- AU 2018050647 W 20180626

Abstract (en)

[origin: WO2019000031A1] Disclosed is a nesting element for use in a hollow pile. The nesting element is configured to be retained at an opening defined in a wall of the pile. The nesting element comprises a surface that is configured such that, in use, the surface substantially conforms to an internal profile at a transverse cross-section of the pile. Also disclosed are a pile system that employs one or more nesting elements in one or more respective piles, and an installation system for installing the pile system into the ground. Additionally, a method of constructing a retaining wall using the pile system and installation system is disclosed.

IPC 8 full level

**E02D 5/34** (2006.01); **E02D 5/48** (2006.01); **E02D 7/00** (2006.01); **E02D 11/00** (2006.01); **E02D 13/04** (2006.01)

CPC (source: EP US)

**E02D 5/03** (2013.01 - EP); **E02D 5/38** (2013.01 - US); **E02D 5/48** (2013.01 - EP US); **E02D 5/665** (2013.01 - US); **E02D 7/02** (2013.01 - US);  
**E02D 7/28** (2013.01 - EP); **E02D 13/00** (2013.01 - US); **E02D 13/04** (2013.01 - EP US); **E02D 15/08** (2013.01 - EP); **E02D 29/0266** (2013.01 - EP);  
**E02D 29/0283** (2013.01 - EP US); **E02D 29/055** (2013.01 - US); **E02D 5/34** (2013.01 - EP); **E02D 2250/0007** (2013.01 - US);  
**E02D 2250/0023** (2013.01 - US); **E02D 2300/0006** (2013.01 - US); **E02D 2300/002** (2013.01 - US); **E02D 2300/0032** (2013.01 - US);  
**E02D 2300/0045** (2013.01 - US)

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2019000031 A1 20190103**; AU 2018293555 A1 20200102; CN 110869563 A 20200306; EP 3645795 A1 20200506;  
EP 3645795 A4 20210331; NZ 759839 A 20211224; US 2020149240 A1 20200514

DOCDB simple family (application)

**AU 2018050647 W 20180626**; AU 2018293555 A 20180626; CN 201880043236 A 20180626; EP 18822765 A 20180626;  
NZ 75983918 A 20180626; US 201816620840 A 20180626