

Title (en)

MECHANICALLY STABILIZED EARTH (MSE) RETAINING WALL EMPLOYING ROUND RODS WITH SPACED PULLOUT INHIBITING STRUCTURES

Title (de)

MECHANISCH STABILISIERTE ERDRÜCKHALTEWAND MIT RUNDSTÄBEN MIT BEABSTANDETEN AUSZUGSHEMMENDEN STRUKTUREN

Title (fr)

MUR DE SOUTÈNEMENT DE TERRE STABILISÉE MÉCANIQUEMENT (MSE) UTILISANT DES TIGES RONDES AVEC DES STRUCTURES D'INHIBITION D'EXTRACTION ESPACÉES

Publication

**EP 4026952 A1 20220713 (EN)**

Application

**EP 22150510 A 20220107**

Priority

- US 202117380697 A 20210720
- US 202163135086 P 20210108

Abstract (en)

Various embodiments of a mechanically stabilized earth (MSE) retaining wall (2) that employ, for reinforcement, round rods (1) with spaced pullout inhibiting structures (for example, round planar disks) are disclosed. The MSE retaining wall (2) has at least one concrete panel (14). The panel (14) has a generally planar body with a frontside, a backside, and a surrounding peripheral edge. The MSE retaining wall (2) has at least one round, steel rod, the rod (1) having a generally cylindrical elongated body with first and second ends. The first end is attached to the panel, and the elongated body and second end reside within backfill soil against the backside of the panel. The MSE retaining wall (2) further includes at least one steel, pullout inhibiting structure (3) residing along the elongated body of the rod. The pullout inhibiting structure (3) has a body with a surface region that spans in a transverse radial direction from the elongated body of the rod. The rod passes through the body of the pullout inhibiting structure.

IPC 8 full level

**E02D 29/02** (2006.01)

CPC (source: EP US)

**E02D 29/0233** (2013.01 - EP US); **E02D 29/0241** (2013.01 - EP US)

Citation (search report)

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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)

**EP 4026952 A1 20220713**; US 2022220692 A1 20220714

DOCDB simple family (application)

**EP 22150510 A 20220107**; US 202117380697 A 20210720