

Title (en)

Structures intended to consolidate and retain the grounds undergoing a movement

Title (de)

Struktur zum Verdichten und Zurückhalten von sich bewegendem Boden

Title (fr)

Structures destinées à consolider et retenir les sols subissant un mouvement

Publication

EP 2354323 B1 20150401 (EN)

Application

EP 11153454 A 20110204

Priority

IT VI20100020 A 20100204

Abstract (en)

[origin: EP2354323A1] The invention is a consolidation and containment structure (60, 65, 70, 75) for unstable ground (F), comprising a plurality of reinforcing elements (1; 20; 30; 40; 50), all independent of each other, each one of which comprises a bulky counteracting element (2) buried in the unstable ground (F) and constrained to an anchoring element (3) fixed in the stable ground (T) underlying the unstable ground (F), in order to allow the bulky counteracting element (2) to float in the unstable ground (F). Each anchoring element (3) has a mainly longitudinal development and comprises a first end (3a) fixed in the stable ground (T) and a second end (3b) constrained to the bulky counteracting element (2).

IPC 8 full level

E02D 29/02 (2006.01)

CPC (source: EP)

E02D 29/02 (2013.01); **E02D 29/0233** (2013.01)

Cited by

ITVI20120052A1; NL2010257C2; US10167606B2; WO2014003564A1; EP2867415B1

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)

EP 2354323 A1 20110810; EP 2354323 B1 20150401; IT 1398453 B1 20130222; IT VI20100020 A1 20110805; PL 2354323 T3 20150831

DOCDB simple family (application)

EP 11153454 A 20110204; IT VI20100020 A 20100204; PL 11153454 T 20110204