

Title (en)

GROUND REINFORCED STRUCTURE AND REINFORCEMENT MEMBERS FOR THE CONSTRUCTION THEREOF

Title (de)

BODENVERSTÄRKTE STRUKTUR UND VERSTÄRKUNGSELEMENTE ZU IHRER KONSTRUKTION

Title (fr)

OUVRAGE EN SOL RENFORCE ET ELEMENTS DE RENFORT POUR SA CONSTRUCTION

Publication

EP 2118384 B1 20160504 (FR)

Application

EP 08775656 A 20080229

Priority

- FR 2008050347 W 20080229
- FR 0701579 A 20070305

Abstract (en)

[origin: WO2008122733A1] The invention relates to a ground reinforced structure that comprises a fill (1), reinforcement strips (2) including reinforcement sections (82, 83, 84) extending in a reinforced area of the fill behind the front face of the structure, and a cladding (3) provided along said front face, the reinforcement strips (2) being anchored to the cladding (3) in respective anchoring regions, wherein the cladding (3) comprises, in at least one anchoring region, a path (20) defined for a reinforcement strip (2) between two protruding points (6) located on a rear face of the cladding (7) adjacent to the fill (1), the path (20) including at least two rectilinear portions (81) respectively adjacent to the two protruding points (6) and each provided for positioning the strip (2) in the same protruding plane (P) perpendicular to said rear face (7), two curved portions (9) respectively defining an extension of the two rectilinear portions (81) and provided for diverting the strip outside from the protruding plane (P), and a connection portion for connecting the two curved portions (9) together and having at least one loop (10, 101, 102, 103, 104) provided outside the protruding plane, and wherein at least two reinforcement sections (82, 83, 84) each define an extension of a rectilinear portion (81) of a path (20) beyond the protruding point (6) and are connected together by at least one linking member (11, 12, 13), each of said reinforcement sections (82, 83, 84) being part of a reinforcement strip (2) provided along said path (20). The invention also relates to reinforcement members and to associated methods.

IPC 8 full level

E02D 17/18 (2006.01); **E02D 29/02** (2006.01)

CPC (source: EP US)

E02D 17/18 (2013.01 - EP US); **E02D 29/0241** (2013.01 - EP US); **Y10T 29/49826** (2015.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2913436 A1 20080912; FR 2913436 B1 20090529; EP 2118384 A1 20091118; EP 2118384 B1 20160504; JP 2010520390 A 20100610; JP 5349339 B2 20131120; US 2010092249 A1 20100415; US 8011859 B2 20110906; WO 2008122733 A1 20081016

DOCDB simple family (application)

FR 0701579 A 20070305; EP 08775656 A 20080229; FR 2008050347 W 20080229; JP 2009552253 A 20080229; US 53019408 A 20080229