

Title (en)

Device for stabilizing bulk material, especially soil masses.

Title (de)

Einrichtung zur Stabilisierung von Schüttgütern, insbesondere Erdmassen.

Title (fr)

Dispositif de stabilisation de matériau en vrac, en particulier pour masses terreuses.

Publication

**EP 0235101 A2 19870902 (EN)**

Application

**EP 87850010 A 19870116**

Priority

NO 860684 A 19860224

Abstract (en)

The invention relates to a device, especially for stabilizing soil material, comprising a substantially elongated web (I) which in mounted position on a support (4) forms a plurality of cells or pockets. For the purpose of providing a device which can be manufactured from inexpensive raw material, which possibly can easily decompose, and which can be manufactured in accordance with a simple and preferably known process, and at the same time render a minimum transport volume, and which in connection with soil stabilizing provides favourable anchoring in the ground which is to be soil stabilized, and which forms pockets or cells having walls extending vertically independent of the slope angle of the ground for stabilizing the soil even during heavy rain, it is according to the invention suggested that the web (I) is constituted by an initially relatively thin, substantially flat web (I), preferably of flexible plastics, which in a first direction is provided with rows of consecutively arranged slits (2,2a, 2b) which are so staggered relative to each other that the web (I) by the stretching thereof in a second direction forms oppositely undulating strips (3a,3b,3c) which upon mounting of the web on a more or less inclined hill define side by side arranged cells or pockets (8) which can be filled with soil (9) being stabilized by the device. Due to the sharp lower edges (I0) of the undulating strips (3a,3b,3c) the device (I) in stretched condition will easily be pressed down into the ground (4) for the anchoring thereof in the ground (4), and the various degrees of stretching can be harmonized to the various angles of inclination of the ground on which the device is to be carried.

IPC 1-7

**E02D 17/20**

IPC 8 full level

**E01F 7/04** (2006.01); **E02D 3/00** (2006.01); **E02D 17/20** (2006.01)

CPC (source: EP)

**E02D 17/202** (2013.01)

Cited by

US7556800B2; CN114482084A; FR2728597A1; FR2872529A1; GB2185769B; CN114855700A; CN114486448A; WO9600327A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

**EP 0235101 A2 19870902; EP 0235101 A3 19871014; EP 0235101 B1 19900808**; AT E55439 T1 19900815; AU 596646 B2 19900510; AU 6920887 A 19870827; BG 48813 A3 19910515; BR 8700619 A 19871215; CA 1265679 A 19900213; CN 1007365 B 19900328; CN 87100916 A 19871028; DE 3764115 D1 19900913; DK 83887 A 19870825; DK 83887 D0 19870219; ES 2017107 B3 19910101; FI 870085 A0 19870109; FI 870085 A 19870825; GR 3000709 T3 19911010; IL 81369 A0 19870831; JP S62197522 A 19870901; JP S62273326 A 19871127; NZ 219238 A 19900926; YU 11687 A 19901231

DOCDB simple family (application)

**EP 87850010 A 19870116**; AT 87850010 T 19870116; AU 6920887 A 19870224; BG 7854787 A 19870218; BR 8700619 A 19870211; CA 528980 A 19870204; CN 87100916 A 19870224; DE 3764115 T 19870116; DK 83887 A 19870219; ES 87850010 T 19870116; FI 870085 A 19870109; GR 900400534 T 19900809; IL 8136987 A 19870123; JP 2191787 A 19870203; JP 4126087 A 19870224; NZ 21923887 A 19870211; YU 11687 A 19870128