

Search query (1): [SP]: .A retaining wall system comprising: a a retaining wall facing element, the retaining wall facing element comprising a plurality of embedded retaining wall connectors comprising discrete first geogrid sections; (b) a plurality of tension connectors in communication with the embedded connector first geogrid sections; and (c) a plurality of soil reinforcing members comprising discrete second geogrid sections in communication with the tension connectors.

Results: 2

Search history

Search [SP]: .A retaining wall system comprising: a a retaining wall facing element, the retaining wall facing element comprising a plurality of embedded retaining wall connectors comprising discrete first geogrid sections; (b) a plurality of tension connectors in communication with the embedded connector first geogrid sections; and (c) a plurality of soil reinforcing members comprising discrete second geogrid sections in communication with the tension connectors. (Results 2)

1) Family number: 11142620 (US5851089A)

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Title: COMPOSITE REINFORCED STRUCTURE INCLUDING AN INTEGRATED MULTI-LAYER GEOGRID AND METHOD OF CONSTRUCTING THE SAME

Priority: US19960727346 19961007 WO1997IB01378 19971007

Family:	Publication number	Publication date	Application number	Application date
	AU199746351 A1	19980505	AU19970046351	19971007
	EP0868576 A1	19981007	EP19970945057	19971007
	EP0868576 B1	20030514	EP19970945057	19971007
	US5851089 A	19981222	US19960727346	19961007
	WO9815693 A1	19980416	WO1997IB01378	19971007

Probable Assignee: TENAX SPA

Assignee(s):(std): TENAX SPA

Assignee(s): TENAX VIA DELL INDUSTRIA SPA ; TENAX S P A

Inventor(s):(std): BERETTA MARIO

Inventor(s): MARIO BERETTA

Designated states: AL AM AT AU AZ BA BB BE BG BR BY CA CH CN CU CZ DE DK EE ES FI FR GB GE GH GR HU IE IL IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MC MD MG MK MN MW MX NL NO NZ PL PT RO RU SD SE SG SI SK SL SZ TJ TM TR TT UA UG UZ VN YU ZW

International class (IPC 8-9): B29C47/12 B29C48/30 E02D17/20 E02D29/02 (Advanced/Invention); B29C47/12 E02D17/20 E02D29/02 (Core/Invention)

International class (IPC 1-7): B29C47/12 C09K17/00 E01C21/00 E01C3/00 E02D17/20 E02D29/02

CPC: E02D17/202 B29L2028/00 E02D29/0241 B29C48/05 B29C48/13 B29C48/30 B29C48/301

European class: B29C47/00J10 B29C47/12 E02D17/20B E02D29/02D2 L29L28/00

US class: 405/258 405/259.1 405/262 405/302.7

[Classification Explorer](#)

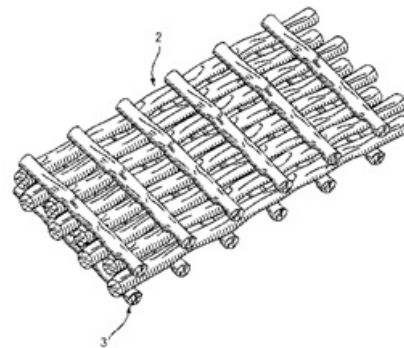
Cited documents: US5419659 A, US5267816 A, US5255998 A, US5156495 A, US4992003 A, US4837387 A, US4743486 A, US4728227 A, US4662946 A, US4590029 A, US4472086 A, US3914365 A,

Forward Citations: WO17136518, WO17062632, WO15044792, WO04018780, WO04018780, USD593220, USD470041, US9556580, US9358744, US8747995, US8500372, US8206060, US8043689, US7820560, US7740422, US7708503, US7470094, US7168884, US7001112, US6599058, US6505999, US6343895, US2016230353, US2015239187, US2015071710, US2013216773, US2012257933, US2012099933, US2011002747, US2010294115, US2010247239, US2008066847, US2007196185, US2007104543, US2006134389, US2005020157, US2004067103, US2004062615, US2003006186, US10407837, US10267010, US10188977, US10094085, US10066354, US10000028, ITMI20090919, GB2440147, GB2440147, EP3359745, EP3052703, EP2236668, EA031977, CN105793492, CN101920566, CN101920566, AU2014326302,

Abstract:

This invention relates to a geogrid structure which is comprised of two or more layers of rigidly bonded flexible mesh structures. The mesh openings of each layer, without superimposing, overlay mesh openings of other layers, resulting in a geogrid structure which consists of small and large sized mesh openings. The smaller sized mesh openings are designed to reduce vertical migration of the smaller aggregate particles into the subgrade and to reduce pumping of the subgrade material into the aggregate layer. The rigid bonding of multiple layers of mesh structure provides a mechanism for transmission of tensile stress which is less dependent upon interlocking of aggregate particles. Furthermore, by bonding multiple layers of mesh structure, the number of tensile elements per unit area is increased, and as a result, the interaction of the geogrid with the fill material is enhanced. This increased interaction results in enhanced interlocking of aggregate particles and in increased frictional resistance of the geogrid structure for a variety of fill material. As a result, the geogrid structure of the present invention exhibits enhanced tensile stress transmission for a spectrum of high and low grade fill material.

FIG. 1

**2) Family number: 33546641** (US2006236617A)

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Title: LATTICED NET STRETCHING AND FIXING STRUCTURE**Priority:** US20050114040 20050426

Family:	Publication number	Publication date	Application number	Application date
	US2006236617 AA	20061026	US20050114040	20050426

Probable Assignee: CHEN SHIH YIN**Assignee(s):(std):** CHEN SHIH YIN**Inventor(s):(std):** CHEN SHIH YIN**Agent(s):** ROSENBERG KLEIN AND LEE**International class (IPC 8-9):** B61D17/12 (Advanced/Invention);
B61D17/04 (Core/Invention)**CPC:** E02D29/0241**European class:** E02D29/02D2**US class:** 52/50[Classification Explorer](#)**Cited documents:** US5911539 A, US5564865 A, US5028172 A, US4530622 A,**Forward Citations:** WO11117476, USD787089, USD785819, US9273443, GB2454488, EP3411530,**Abstract:**

A latticed net stretching and fixing structure includes at least one fixing element fixedly mounted onto a vertical wall surface of a precast wall panel and having at least one horizontal section; at least one latticed net having a plurality of arrayed meshes and a winding section provided at one end thereof for winding around the horizontal section of the fixing element to overlap the latticed net, with the meshes on the winding section aligned with the meshed on the latticed net; and at least one transverse bar for weaving through the aligned meshes on the overlapped winding section and latticed net to thereby fix the latticed net to the fixing element, allowing the latticed net to be stretched and pulled in a direction opposite to the precast wall panel without separating from the fixing element.

