

Search history

Search 1: FT=(geocell and (perforation* or perforated or perforating or hole*)) (Results 68)

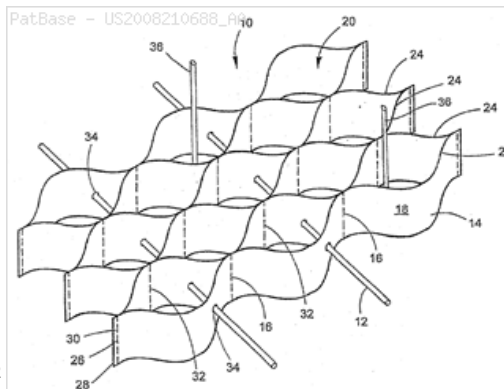
Search 2: 1 and PD<20140127 (Results 35)

Title: UV RESISTANT MULTILAYERED CELLULAR CONFINEMENT SYSTEM

Abstract: Source: US2008210688A The present disclosure generally relates to a polymeric cellular confinement system which can be filled with soil, concrete, aggregate, earth materials, and the like. More specifically, the present disclosure concerns a cellular confinement system characterized by improved durability against damage generated by UV light, humidity, and aggressive soils, or combinations thereof.

Classifications:

International (IPC 8-9): B32B1/00 B32B27/00 B32B27/08 B32B27/32 B32B27/36 B32B27/40 B32B3/10 B32B3/12 B32B3/26 B32B3/28 B32B3/30 B32B5/02 B32B5/16 B65D1/40 B65D6/00 C08F8/00 C08L23/00 C08L23/04 E02B7/02 E02B7/08 E02B7/14 E03B7/02 E03B7/08 E03B7/14 (Advanced/Invention); B32B1/00 B32B27/08 B32B27/32 B32B3/10 B32B3/12 B32B3/26 B32B3/28 B32B3/30 B32B5/02 B65D1/40 B65D6/00 C08F8/00 C08L23/00 E02B7/02 (Core/Invention)
CPC: Y10T428/24149 Y10T428/24157 Y10T428/24165 Y10T428/24322 Y10T428/24355 Y10T428/24612 Y10T428/24661 Y10T428/25 E02D17/20 Y10T428/249953 Y10T428/249986 Y10T428/31565 Y10T428/31736 Y10T428/31797 Y10T428/31855
European: E02D17/20
US: 220/62.11 220/660 405/111 405/114 405/116 405/117 428/116 428/117 428/118 428/137 428/137P 428/141 428/141S 428/172 428/172S 428/178 428/304.4 428/304.400S 428/317.9 428/317.900S 428/323 428/323P 428/423.7 428/423.700S 428/475.2 428/475.200S 428/483 428/483S 428/500 428/500S 525/191 525/240



Family:

Publication number	Publication date	Application number	Application date
EA016201 B1	20120330	EA20080000493	20080229
EA200800493 A1	20081030	EA20080000493	20080229
US2008210688 AA	20080904	US20070680961	20070301
US2010104800 AA	20100429	US20100687309	20100114
US2011212322 AA	20110901	US20110105028	20110511
US7648754 BB	20100119	US20070680961	20070301
US7955686 BB	20110607	US20100687309	20100114
US8173242 BB	20120508	US20110105028	20110511

Priority:

US20070680961 20070301 US20100687309 20100114 US20110105028 20110511

Probable Assignee: GEOTECH TECHNOLOGIES LTD

Assignee(s): (std): EREZ ADI ; EREZ ODED ; HALAHMI IZHAR ; PRS MEDITERRANEAN LTD

Assignee(s): GEOTECH TECHNOLOGIES LTD

Inventor(s): (std): EREZ ADI ; EREZ ADIL ; EREZ ODED ; HALAHMI IZHAR

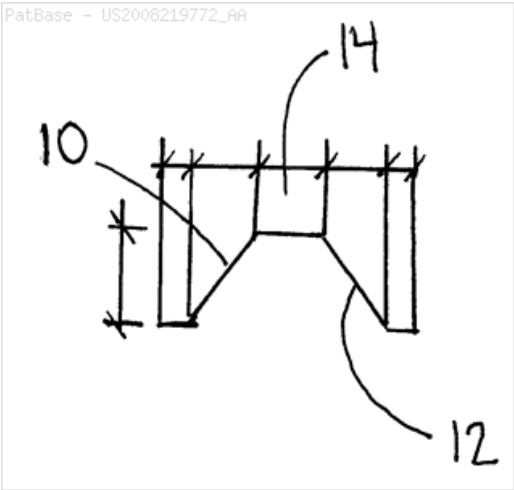
Agent(s): FAY SHARPE LLP; RICHARD M

Title: BERM SYSTEM

Abstract: Source: US2008219772A A berm system for retaining water in flood areas and erosion prevention means against wind and wave action and the like. The berm system basically is obtained of high density polyethylene defining a front side portion, a rear side portion and a top; at least a part of said top of the berm adapted for traction; and a means for holding the berm in place at the center and lap joints. The berm system is adapted for use in conjunction with existing or built earth/sand berms or can also be used on its own without any further earth/sand berm for barrier against flood, or erosion resulting from wind and/or wave action. The berm system is simple and cost effective and can be installed very fast in various flood areas as well as regions requiring erosion control.

Classifications:

International (IPC 8-9): E02B3/04 (Advanced/Invention);
E02B3/04 (Core/Invention)
CPC: E02B3/04 E02B3/108
European: E02B3/04 E02B3/10B2
US: 405/107 405/107P



Family:

Publication number	Publication date	Application number	Application date
US2008219772 AA	20080911	US20080044756	20080307

Priority:

US20070893491P 20070307 US20080044756 20080307

Probable Assignee:

MCDONALD JAMES

Assignee(s): (std):

MCDONALD JAMES

Inventor(s): (std):

MCDONALD JAMES

Agent(s):

GREENBERG AND LIEBERMAN LLC

Title: EARTHQUAKE RESISTANT EARTH RETENTION SYSTEM USING **GEOCELLS**

Abstract: Source: US2009142144A A retaining wall comprises a plurality of layers made from **geocells**. The retaining wall has a capping layer at the top of the wall, wherein the ratio of the length of the capping layer to the height of the retaining wall is at least 0.8. The retaining wall also has at least one stacking layer and may further comprise a reinforcing layer made of geogrids or, preferably, **geocells**. The reinforcing **geocells** have a height that is less than the height of the capping layer **geocell**.

Classifications:

International (IPC 8-9): E02D17/18 E02D29/02

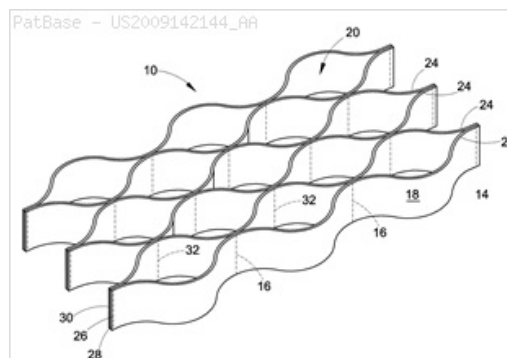
E02D3/00 (Advanced/Invention);

E02D29/02 E02D3/00 (Core/Invention)

CPC: E02D17/20

European: E02D17/20

US: 405/284 405/284P 405/302.4



Family:

Publication number	Publication date	Application number	Application date
US2009142144 AA	20090604	US20080238961	20080926
US2011243670 AA	20111006	US20110159493	20110614
US7993080 BB	20110809	US20080238961	20080926
US8303218 BB	20121106	US20110159493	20110614
WO09042860 A1	20090402	WO2008US77848	20080926

Priority:

US20070975578P 20070927

US20080238961 20080926

US20110159493 20110614

Probable Assignee: GEOTECH TECHNOLOGIES LTD

Assignee(s): (std): EREZ ADI ; EREZ ODED ; PRS MEDITERRANEAN LTD

Assignee(s): GEOTECH TECHNOLOGIES LTD

Inventor(s): (std): EREZ ADI ; EREZ ODED

Agent(s): FAY SHARPE LLP; RICHARD M; KLEIN RICHARD M

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: SANDWICH SYSTEM

Abstract: Source: US2009142542A A composite system comprises a base layer, a capping layer, and at least one core geocell layer. The base layer and capping layer are stacked below and above the core geocell layer, which is infilled with a low quality material. In specific embodiments, the base layer and capping layer are each geocells infilled with a high quality material. This composite system meets engineering specifications economically.

Classifications:

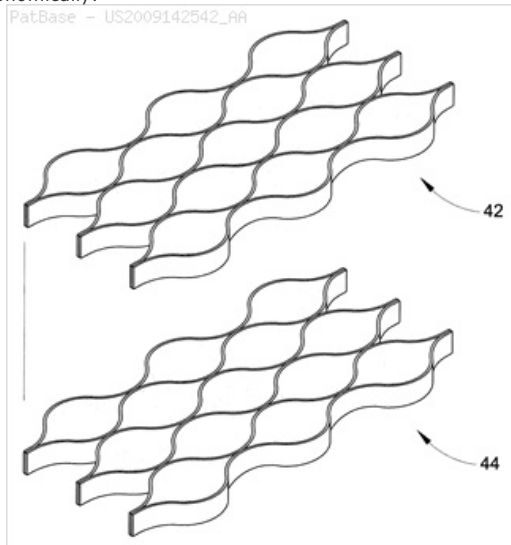
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CPC: Y10T428/24149 Y10T428/24157 Y10T428/24174 E02D17/20

European: E02D17/20

US: 405/262 405/284 405/302.4 414/800 414/800P 428/116 428/116P 428/116S 428/117 428/117S 428/119

PatBase - US2009142542_AA



Family:

Publication number	Publication date	Application number	Application date
US2009142542 AA	20090604	US20080238927	20080926
US2010254795 AA	20101007	US20090566781	20090925
US8173241 BB	20120508	US20080238927	20080926
WO09045896 A1	20090409	WO2008US77859	20080926

Priority:

US20070975576P 20070927 US20080115653P 20081118 US20080238927 20080926
US20090566781 20090925

Probable Assignee: GEOTECH TECHNOLOGIES LTD

Assignee(s): (std): EREZ ADI ; EREZ ODED ; HALAHMI IZHAR ; PRS MEDITERRANEAN LTD

Assignee(s): GEOTECH TECHNOLOGIES LTD

Inventor(s): (std): EREZ ADI ; EREZ ODED ; HALAHMI IZHAR

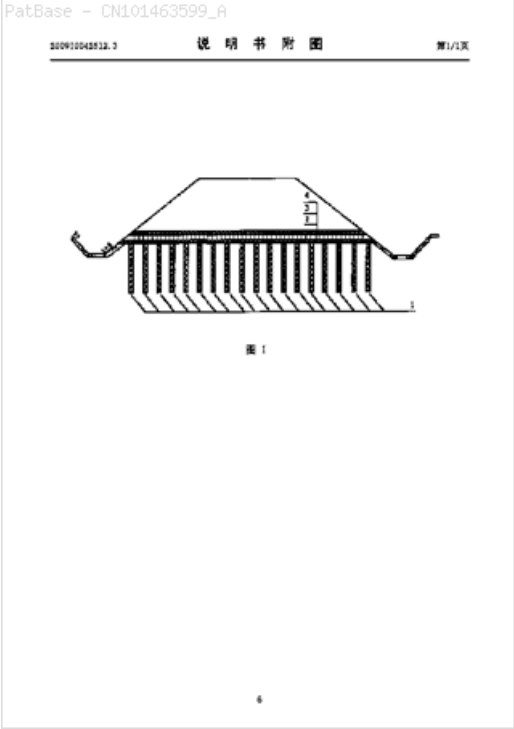
Agent(s): FAY SHARPE LLP; RICHARD M; KLEIN RICHARD M

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: Bidirectional reinforcing and water drainage reinforcing means for highway soft soil foundation

Abstract: Source: CN101463599A The invention discloses a soft soil foundation two-way reinforcement and drainage reinforcement method for highways. The invention comprises the steps as follows: (1) the site is leveled and the pile positions are set out; (2) the construction is carried out by vibroflotation, hammering method, or vibrating tube sinking method to form a gravel pile; (3) the top of the pile is paved with **Geocell** coarse sand or gravel hardcore, the main composition body thereof is a **Geocell** layer with drain **holes** on the wall, the **Geocell** is filled with compact coarse sand or gravels, and the upper part and the lower part of the **Geocell** are respectively paved with drainage layers. By adopting the **Geocell** coarse sand or gravel hardcore and gravel pile two-way reinforcement and drainage structure, the method can realize a composite action of reinforcement, compaction, replacement and drainage on the soft foundation, effectively improve the strength and stability of the roadbed, reduce the differential settlement of the foundation and satisfy the requirement of traffic load increase on the bearing capacity and deformation of the roadbed.

Classifications:
International (IPC 8-9): E02D3/00 E02D3/08
E02D3/10 (Advanced/Invention);
E02D3/00 (Core/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN101463599 A	20090624	CN200910042512	20090116

Priority:
CN200910042512 20090116

Probable Assignee: UNIV HUNAN

Assignee(s): (std): HUNAN UNIV ; UNIV HUNAN

Assignee(s): HUNAN UNIVERSITY

Inventor(s): (std): BINHUI MA ; CHANGFU CHEN ; MINGHUA ZHAO ; XIAOMING LIU ; XINJUN ZOU ; YONG LEI ; LING ZHANG ; ZHIJUN ZHOU

Inventor(s): ZHOU ZHIJUN ; ZOU XINJUN ; LIU XIAOMING ; MA BINHUI ; ZHANG LING ; ZHAO MINGHUA ; CHEN CHANGFU ; LEI YONG

Title: **GEOCELL** FOR LOAD SUPPORT APPLICATIONS

Abstract: Source: ZA201101925A A **geocell** is disclosed that has high strength and stiffness, such that the **geocell** has a storage modulus of 500 MPa or greater at 23 degrees C; a storage modulus of 150 MPa or greater at 630C when measured in the machine direction using Dynamic Mechanical Analysis (DMA) at a frequency of 1 Hz; a tensile stress at 12 percent strain of 14.5 MPa or greater at 230C; a coefficient of thermal expansion of 120×10^{-6} /0C or less at 250C, and/or a long term design stress of 2.6 MPa or greater. The **geocell** is suitable for load support applications, especially for reinforcing base courses and/or subbases of roads, pavement, storage areas, and railways.

Classifications:

International (IPC 8-9): B29C35/08 B29C69/00 B29D29/00 B32B27/08 B32B3/12 E01C11/16 E01C3/00 E01C5/00 E01C5/20 E01C9/00 E02D E02D17/20 E02D29/02

E02D3/00 (Advanced/Invention);

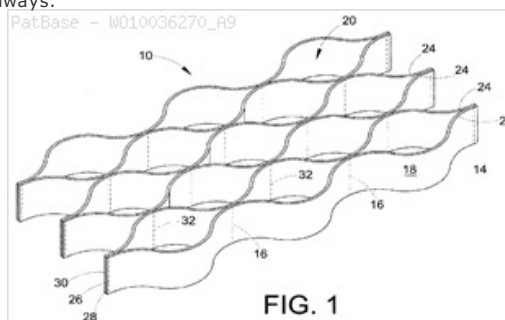
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E02D3/00 (Core/Invention);

E02D (Subclass/Invention)

CPC: E01C3/006 B29C47/0057 B29C47/0066 E01C3/06 E01C11/16 B29C47/0021 E02D17/202 E02D3/005 E02D2200/16 E02D2300/0004 E02D2300/0084

European: B29C47/00J5 B29C47/00L12 B29C47/00L8 E01C11/16 E01C3/00C E01C3/06 E02D17/20B



Family:

Publication number	Publication date	Application number	Application date
AU2008362137 AA	20100401	AU20080362137	20080929
AU2008362137 BB	20131003	AU20080362137	20080929
BRPI0823100 A2	20150616	BR2008PI23100	20080929
CA2733055 AA	20100401	CA20082733055	20080929
CA2733055 C	20120103	CA20082733055	20080929
CA2759830 AA	20100401	CA20082759830	20080929
CN102165118 A	20110824	CN200880131333	20080929
CN102165118 B	20151202	CN200880131333	20080929
DE202008018615 U1	20161103	DE200820018615U	20080929
EP2337900 A1	20110629	EP20080823923	20080929
EP2337900 A4	20140910	EP20080823923	20080929
EP3095920 A1	20161123	EP20160176619	20080929
JP2012504058 T2	20120216	JP20110528998T	20080929
JP5397790 B2	20140122	JP20110528998T	20080929
KR20110079700 A	20110707	KR20117009753	20080929
KR20160104634 A	20160905	KR20167018630	20080929
MX2010007221 A1	20101206	MX20100007221	20080929
RU2011117166 A	20121110	RU20110117166	20080929
RU2478753 C2	20130410	RU20110117166	20080929
WO10036270 A1	20100401	WO2008US78065	20080929
WO10036270 A9	20110512	WO2008US78065	20080929
ZA201101925 A	20111130	ZA20110001925	20110314

Priority:

CA20082733055	20080929	CA20082759830	20080929	WO2008US78065	20080929
DE200820018615U	20080929	EP20080823923	20080929	EP20160176619	20080929
ZA20110001925	20110314				

Probable Assignee: PRS MEDITERRANEAN LTD

Assignee(s): (std): EREZ ADI ; EREZ ODED ; HALAHMI IZHAR ; PRS MEDITERRANEAN LTD ; PIAREHS MEDITERREHNIAN LTD

Assignee(s): P R S MEDITERRANEAN LTD ; GEOTECH TECHNOLOGIES LTD

Inventor(s): (std): EHREZ ADI ; EHREZ ODED ; EREZ ADI ; EREZ ODED ; HALAHMI IZHAR ; KHALAKHMI ITSKHAR ; ODED EREZ ; IZHAR HALAHMI ; ADI EREZ

Agent(s): IP GATEWAY PATENT AND TRADEMARK ATTORNEYS; IP GATEWAY PATENT AND TRADEMARK ATTORNEYS PTY LTD; IP GATEWAY PATENT AND TRADE MARK ATTORNEYS PTY LTD; PIASETZKI NENNIGER KVAS LLP; KADOR AND PARTNER; KLEIN RICHARD M

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: **GEOCELL** FOR LOAD SUPPORT APPLICATIONS

Abstract: Source: US2010080659A A **geocell** is disclosed that has high strength and stiffness, such that the **geocell** has a storage modulus of 500 MPa or greater at 23 degrees centigrade; a storage modulus of 150 MPa or greater at 63 degrees centigrade when measured in the machine direction using Dynamic Mechanical Analysis (DMA) at a frequency of 1 Hz; a tensile stress at 12 percent strain of 14.5 MPa or greater at 23 degrees centigrade; a coefficient of thermal expansion of 120x10⁻⁶/ degrees centigrade or less at 25 degrees centigrade; and/or a long term design stress of 2.6 MPa or greater. The **geocell** is suitable for load support applications, especially for reinforcing base courses and/or subbases of roads, pavement, storage areas, and railways.

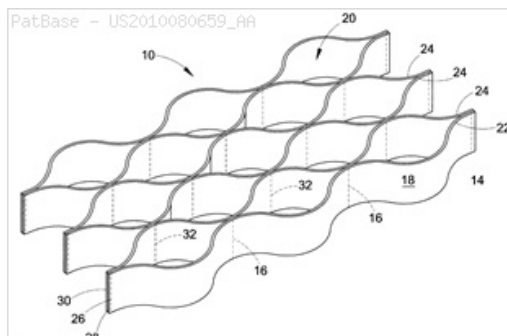
Classifications:

International (IPC 8-9): A41D13/00 B29C35/08 B29C47/00 B29C47/06 B29C55/02 B29C59/02 B32B27/00 B32B3/12 E01C3/00 E01C5/08 E02D17/20 E02D27/30 E02D29/02 (Advanced/Invention); C08L23/06 (Advanced/Non-invention); A41D13/00 B32B27/00 B32B3/12 E01C3/00 E02D17/20 E02D27/00 E02D29/02 (Core/Invention); C08L23/00 (Core/Non-invention)

CPC: E02D17/18 E02D17/202

European: E02D17/18 E02D17/20B

US: 264/145 264/145S 264/173.16 264/173.160S 264/210.1 264/210.100S 264/210.2 264/210.200S 264/210.5 264/210.500S 264/477 264/477P 404/70 405/302.4 405/302.400P



Family:

Publication number	Publication date	Application number	Application date
EA014204 B1	20101029	EA20080002334	20081216
EA015761 B1	20111230	EA20100000218	20081216
EA200802334 A1	20100430	EA20080002334	20081216
EA201000218 A1	20100630	EA20100000218	20081216
US2010080659 AA	20100401	US20080240058	20080929
US2011304080 AA	20111215	US20110216360	20110824
US8025457 BB	20110927	US20080240058	20080929
US8157472 BB	20120417	US20110216360	20110824

Priority:

US20080240058 20080929 US20110216360 20110824

Probable Assignee: GEOTECH TECHNOLOGIES LTD

Assignee(s): (std): EREZ ADI ; EREZ ODED ; PRS MEDITERRANEAN LTD ; HALAHMI IZHAR ; PRS MEDITERRANIAN LTD

Assignee(s): GEOTECH TECHNOLOGIES LTD

Inventor(s): (std): EREZ ADI ; EREZ ODED ; HALAHMI IZHAR

Agent(s): FAY SHARPE LLP; RICHARD M

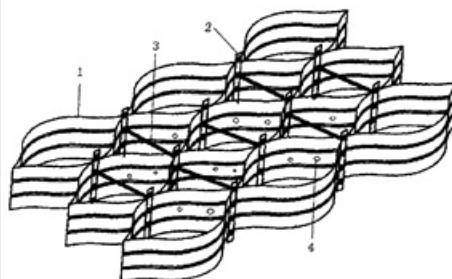
Title: Plastic **geocell**

Abstract: Source: CN101705690A The invention discloses a plastic **geocell**, which comprises bar plastic cell sheets and connecting clamps, wherein the cell sheets are arranged side by side; the connecting clamps are clamped on connecting parts of the cell sheets and are fixed with rivets; the cell sheets connected together form a grid-shaped three-dimensional cell; each cell unit of the grid-shaped three-dimensional cell is internally provided with a connecting rope; both ends of the connecting rope are connected with the connecting clamps respectively; and the bar cell sheets are provided with drain **holes**. The plastic **geocell** has the advantages of simple structure, easy manufacturing and low cost. The plastic **geocell** can be convenient for water to flow and drain the water in time, can also prevent soil and sand filled in the **geocell** from shifting, can improve the scouring resistance and the erosion resistance, can improve the stability, prolongs the service life, reduces maintenances and is convenient to popularize and use.

Classifications:

International (IPC 8-9): E02D17/20 (Advanced/Invention)

PatBase - CN101705690_A



Family:

Publication number	Publication date	Application number	Application date
CN101705690 A	20100512	CN200910234903	20091120

Priority:

CN200910234903 20091120

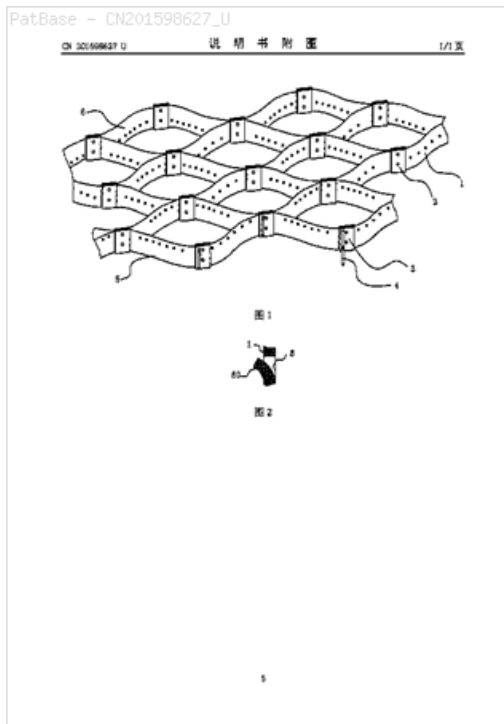
Probable Assignee: YIXING MINGHUI PLASTIC PRODUCT
Assignee(s): (std): YIXING MINGHUI PLASTIC PRODUCT
Assignee(s): YIXING MINGHUI PLASTIC PRODUCTS CO
Inventor(s): (std): BAOYU LIU
Inventor(s): LIU BAOYU

Title: Breathable **Geocell** (Machine translation)

Abstract: Source: CN201598627U Breathable **Geocell**, relates to a PP material to strip made of breathable **Geocell** band. Make each cell interior filler humidity, temperature consistency, thus avoiding the local grid cell interior room and other fillers in an inconsistent state. Article reel off the ground, and then connect the deduction will be adjacent to the strip interval, alternately connected together; after **Geocell** stretching along both ends of the connection side after stretching buckle connection between the adjacent ground strips with the formation of a single cell chamber, so that the overall honeycomb, to strip provided with **holes**, the **holes** in the ground outside the Central strip height gradually increased. The utility model has **holes** using the upper cutoff, the lower half is not truncated cut type, a **hole** formed tongue inward tilt toward the inside of the cell room, so can play a role outflow obstruction filler, but it can achieve each grid Interworking inside the chamber.

Classifications:

International (IPC 8-9): E01C7/36 E02D17/20
E02D3/00 (Advanced/Invention);
E01C7/00 E02D17/20 E02D3/00 (Core/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN201598627 U	20101006	CN200920178350U	20091113

Priority:

CN200920178350U 20091113

Title: AN APPARATUS FOR THE MANUFACTURE OF GEOCELLS

Abstract: The apparatus for the manufacture of geocells from double-side textured thermoplastic strips which are connected using ultrasonic welds incorporates a stationary support structure with two oppositely placed rows of anvils and a carrying beam mounted over the support structure, aligned axially to it, holding presses equipped with welders. The apparatus has got a switchboard cabinet, PLC automation system and compressed air and energy supply systems. It is characteristic for the apparatus described hereinabove that the oscillators have been moved away beyond the structure and the support structure incorporates a system of movable adjustable holders (15) and anvils (10).

Classifications:

International (IPC 8-9): B29C65/08 E02D17/20

E02D3/00 (Advanced/Invention);

E02D17/20 (Advanced/Non-invention)

CPC: B29C65/08 B29C66/1122 B29C66/80 B29C66/816

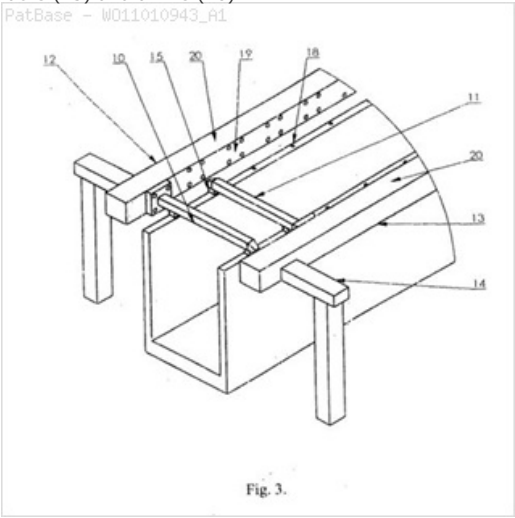
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B29C66/80 B29C66/816 B29C66/843 B29C66/90 L29C66/81463

L29C66/8165



Family:

Publication number	Publication date	Application number	Application date
EP2456611 A1	20120530	EP20090807653	20091230
PL215740 B1	20140131	PL20090388617	20090724
WO11010943 A1	20110127	WO2009PL00114	20091230

Priority:

PL20090388617 20090724 WO2009PL00114 20091230

Probable Assignee: GEO GLOBE POLSKA SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA

Assignee(s): (std): GEO GLOBE POLSKA ; GEO GLOBE POLSKA SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA ; GEO GLOBE POLSKA SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA SPOLKA KOMANDYTOWA

Assignee(s): GEO GLOBE POLSKA SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA SPOLKA KOMANDYTOWO AKCYJNA

Inventor(s): (std): KRUK CAPIK DOBROCHNA ; KRUK ZBIGNIEW

Agent(s): KORBELA ANNA

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW