

Search history

Search 1: STAC=(geocell* and perfor*) (Results 69)

Search 2: 1 and PD<20140212 (Results 28)

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.

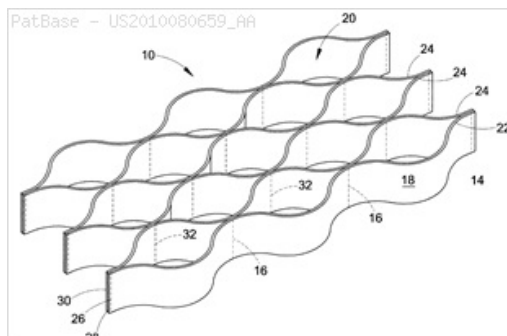
Classifications:

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: **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 $120 \times 10^{-6} / ^\circ\text{C}$ 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);

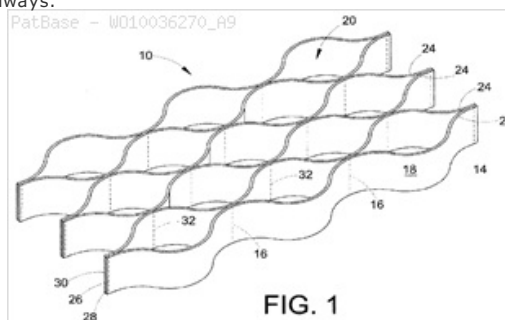
E02D17/20 E02D3/00 (Advanced/Non-invention);

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 ; PIAREHS MEDITERREHNIAN LTD ; PRS MEDITERRANEAN 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

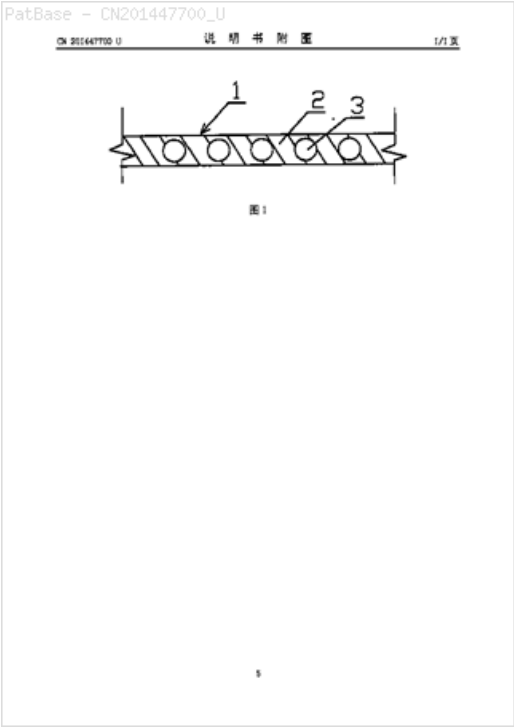
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ 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: High-strength steel-plastic **geocell**

Abstract: Source: CN201447700U A high-strength steel-plastic **geocell** is formed by punching high-strength **geocell** sheets which are provided with ribs, connecting the punched high-strength **geocell** sheets via stainless steel rivets and then drawing. The high-strength steel-plastic **geocell** is characterized in that each **geocell** sheet consists of a substrate and ribs, and the ribs are arranged in the substrate. The substrate is made of high-density polyethylene and the ribs are made of steel wires. Strength of the **geocell** sheet can be equal to or higher than 300 MPa, and breaking elongation rate of the **geocell** sheet is lower than or equal to 3 percent. The ribs such as steel wires with low elongation are added in the substrate, thereby being capable of increasing strength greatly and improving **performance** and tension strength of the **geocell** fundamentally.

Classifications:

International (IPC 8-9): E02D17/20 E02D3/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN201447700 U	20100505	CN200920042403U	20090619

Priority:

CN200920042403U 20090619

Probable Assignee: YIXING HUATAI EARTHWORK MATERIAL CO LTD

Assignee(s): (std): YIXING HUATAI EARTHWORK MATERIAL CO LTD

Assignee(s): YIXING HUATAI EARTHWORK MATERIAL CO

Inventor(s): (std): WEIFENG JIANG ; WENPING LI

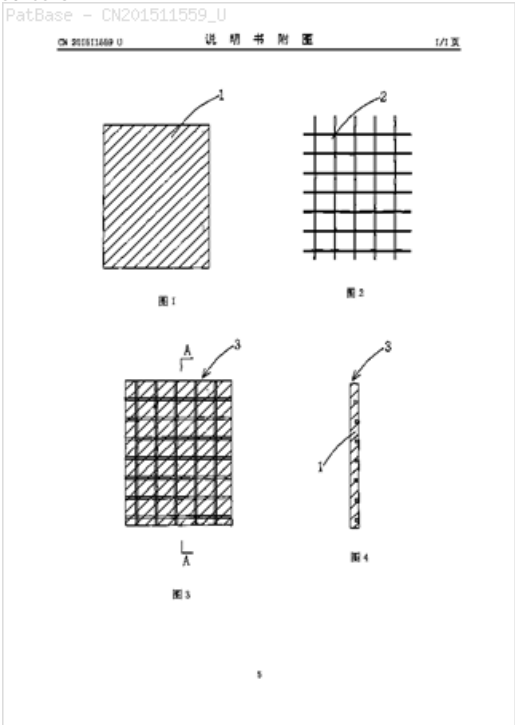
Inventor(s): JIANG WEIFENG ; LI WENPING

Title: Composite sheet used for producing high-strength geo-cells

Abstract: Source: CN201511559U The utility model discloses a composite sheet used for producing high-strength geo-cells, which comprises a grid and a PE (polyethylene) sheet. The composite sheet is a composite product formed by the grid and the PE sheet through press roll equipment, that is, the high-strength grid with a certain width and the synchronously extruded PE sheet are pressed by a shaping press roll in a high-temperature state and cooled; and the main principle is to fully utilize the bidirectional high-strength characteristic of the grid, so that the integral longitudinal and lateral drawing force of the composite sheet can be improved after the grid is combined with the PE sheet, and the combined PE sheet can **perform** a function of positioning, punching, riveting (welding) and forming the geo-cells.

Classifications:

International (IPC 8-9): B32B27/32 B32B3/12
B32B37/15 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN201511559 U	20100623	CN200920188102U	20091010

Priority:

CN200920188102U 20091010

Probable Assignee: ANHUI HUIFENG NEW MODE CONSTRUCTION MATERIALS CO LTD

Assignee(s): (std): ANHUI HUIFENG NEW MODE CONSTRUCTION MATERIALS CO LTD

Assignee(s): ANHUI HUIFENG NEW MODE CONSTRUCTION MATERIALS CO

Inventor(s): (std): LEI YE ; WEIZHANG XU

Inventor(s): YE LEI ; XU WEIZHANG

Title: METHOD AND SYSTEM FOR SIMULATING FLUID FLOW IN AN UNDERGROUND FORMATION WITH UNCERTAIN PROPERTIES

Abstract: Source: US2010185428A A method for simulating fluid flow in an underground reservoir formation with uncertain properties comprises: a) building an object oriented reservoir simulation model with embedded uncertainty descriptors for the uncertain properties; b) using the uncertainty descriptors to define probability distributions and parameterizations for data objects associated with the uncertain properties; c) providing each uncertainty descriptor with functionality to display a probability distribution to associated parameterized data objects to a user; and d) processing the reservoir simulation model in a reservoir flow simulator with a graphical user interface, which displays user selected uncertainty descriptors, parameterized data objects and/or resulting spread of reservoir flow simulation results.

Classifications:

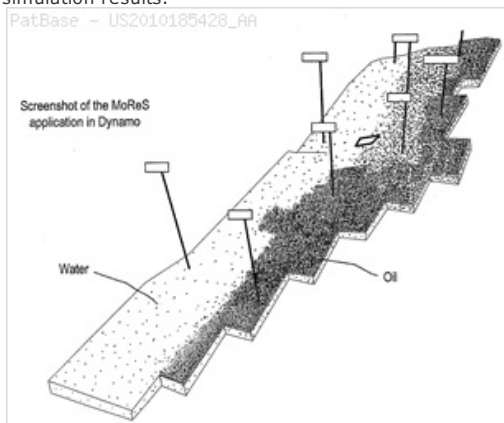
International (IPC 8-9): E21B49/00 G06F19/00

G06G7/50 (Advanced/Invention)

CPC: G01V99/00

European: G01V99/00

US: 703/10 703/10P



Family:

Publication number	Publication date	Application number	Application date
CA2689341 AA	20100630	CA20092689341	20091229
US2010185428 AA	20100722	US20090650205	20091230

Priority:

EP20080173143 20081231

Probable Assignee: SHELL OIL CO

Assignee(s): (std): SHELL INT RESEARCH ; VINK JEROEN CORNELIS

Assignee(s): SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B V ; SHELL OIL CO

Inventor(s): (std): VINK JEROEN CORNELIS

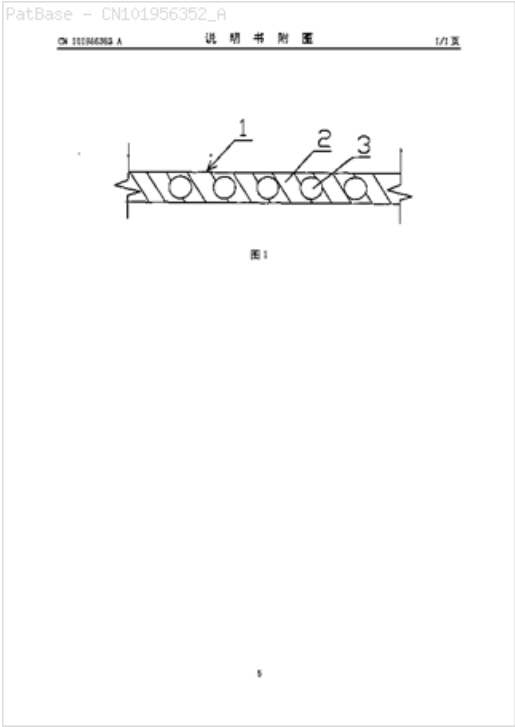
Agent(s): SHELL OIL COMPANY; SHELL OIL CO

Title: High-strength steel plastic geocell

Abstract: Source: CN101956352A The invention relates to a high-strength steel plastic geocell which is formed in such a way that high-strength geocell pieces with rib belts are connected by stainless steel rivets after punched and are drawn for moulding. The high-strength steel plastic geocell is characterized in that each geocell piece comprises a substrate and a rib belt; the rib belt is arranged in the substrate; the substrate is made of high-density polyethylene; and the rib belt is made of steel wires. The geocell piece strength of the invention can be larger than or equal to 300MPa, and the breaking elongation of the geocell piece is smaller than or equal to 3 percent. By adding low-elongation ribs, such as steel wires, and the like into the substrate, the strength can be greatly improved, and the performance and the tensile strength of the geocell are fundamentally improved.

Classifications:

International (IPC 8-9): E01C11/16 E01C3/00
E02D17/20 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN101956352 A	20110126	CN200910181445	20090716

Priority:

CN200910181445 20090716

Probable Assignee: YIXING HUATAI EARTHWORK MATERIAL CO LTD
Assignee(s): (std): YIXING HUATAI EARTHWORK MATERIAL CO LTD
Assignee(s): YIXING HUATAI EARTHWORK MATERIAL CO
Inventor(s): (std): WEIFENG JIANG ; WENPING LI
Inventor(s): JIANG WEIFENG ; LI WENPING

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

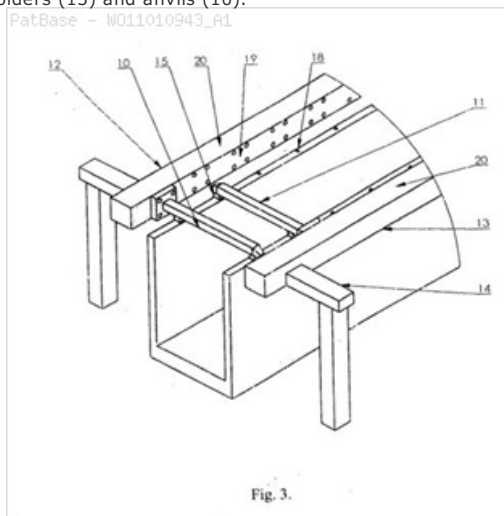
B29C66/8165 B29C66/843 B29C66/438 B29C66/8322

B29C66/73921 B29C66/1312 B29C66/81463

European: B29C65/08 B29C66/1122 B29C66/43 B29C66/439

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

Title: SISTEMA DE OPTIMIZACION DEL USO DE CONTENEDORES DE RESIDUOS. OPTIMIZATION SYSTEM USING WASTE CONTAINER. (Machine translation)

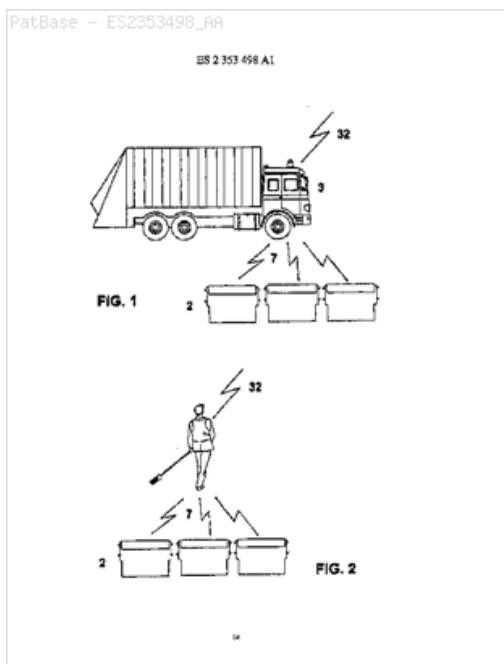
Abstract: Source: ES2353498A Sistema de optimizacion del uso de contenedores de residuos. Sistema de optimizacion del uso de contenedores (2) de residuos para recogida de los citados residuos, que comprende: un equipo de medida (1) en el contenedor (2), que mide lo lleno que esta el contenedor (2) y envia esta informacion via radio a un vehiculo de recogida (3) en su proximidad; un equipo de recoleccion de datos (4) en el vehiculo de recogida (3); una pasarela de comunicacion de datos (6) a un sistema central (5), instalada en cada planta de tratamiento de residuos, que se comunica via radio con cada vehiculo (3) que llega a la planta con residuos y le pide la informacion que dispone de contenedores (2) en su ruta para reenviarla hacia el sistema central (5); y un sistema central (5) que recolecta toda la informacion del estado de los contenedores (2). La invencion tambien se refiere a un metodo para la optimizacion del proceso de recogida de residuos en los citados contenedores (2).

Machine translation: Optimization system using waste containers. System optimization of the use of containers (2) waste for collection of that waste, comprising: a measuring device (1) in the container (2), which measures how full the container (2) and sends this information via radio to a collection vehicle (3) in the vicinity, a data collection team (4) in the collection vehicle (3), a data communication gateway (6) to a central system (5), installed in each waste treatment plant, which communicates via radio with each vehicle (3) that reaches the ground with waste and asks the information available container (2) en route to forward it to the central system (5) and a central system (5) that collects all the information of the state of the container (2). The invention also relates to a method for the optimization of waste collection in the said containers (2).

Classifications:

International (IPC 8-9): G06Q90/00 H04W4/04 (Advanced/Invention)

CPC: B65F2210/128 B65F2210/1443 B65F2210/172 H04W4/04



Family:

Publication number	Publication date	Application number	Application date
ES2353498 AA	20110302	ES20090000758	20090320
ES2353498 BA	20120110	ES20090000758	20090320

Priority:

ES20090000758 20090320

Probable Assignee: CESPA GESTION DE RESIDUOS S A

Assignee(s): (std): COGNOVAS ; COGNOVAS S L ; CESPA GESTION DE RESIDUOS S A ; FERROVIAL S A

Assignee(s): FERROVIAL TITULAR AL 70 SA ; FERROVIAL SA ; CESPA GESTION DE RESIDUOS SA ; COGNOVAS SL

Inventor(s): (std): MARTIN POLO CARLOS ; OZAMIZ FORTIS PABLO ; VEA I BARBANY JORDI

Inventor(s): PABLO OZAMIZ FORTIS ; JORDI VEA I BARBANY ; CARLOS MARTIN POLO

Agent(s): DE ELZABURU ALBERTO

Title: METHOD FOR DETERMINING DISCRETE FRACTURE NETWORKS FROM PASSIVE SEISMIC SIGNALS AND ITS APPLICATION TO SUBSURFACE RESERVOIR SIMULATION

Abstract: Source: US2011110191A A method for mapping a fracture network that includes determining a source of at least one seismic event from features in recorded seismic signals exceeding a selected amplitude ("visible seismic event"). The signals are generated by a plurality of seismic receivers disposed proximate a volume of subsurface to be evaluated. The signals are electrical or optical and represent seismic amplitude. A source mechanism of the at least one visible seismic event is determined. A fracture size and orientation are determined from the source mechanism. Seismic events are determined from the signals from features less than the selected amplitude ("invisible seismic events") using a stacking procedure. A source mechanism for the invisible seismic events is determined by matched filtering. At least one fracture is defined from the invisible seismic events. A fracture network model is generated by combining the fracture determined from the visible seismic event with the fracture determined from the invisible seismic events.

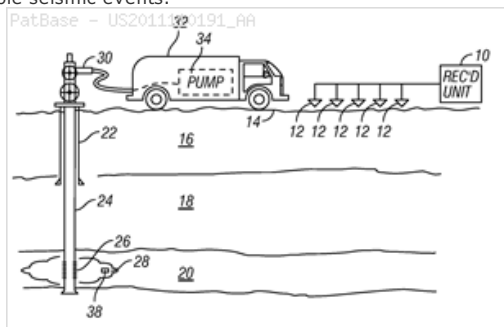
Classifications:

International (IPC 8-9): G01V1/28 (Advanced/Invention)

CPC: G01V1/288 G01V2210/123

European: G01V1/28D

US: 367/73 367/73P



Family:

Publication number	Publication date	Application number	Application date
AU2010363963 AA	20120614	AU20100363963	20101108
AU2010363963 BB	20140821	AU20100363963	20101108
CA2780534 AA	20120614	CA20102780534	20101108
EP2499518 A2	20120919	EP20100859881	20101108
US2011110191 AA	20110512	US20090615783	20091110
US8902710 BB	20141202	US20090615783	20091110
WO12078128 A2	20120614	WO2010US55802	20101108
WO12078128 A3	20121115	WO2010US55802	20101108

Priority:

US20090615783 20091110 WO2010US55802 20101108

Probable Assignee: MICROSEISMIC INC

Assignee(s): (std): EISNER LEO ; MICROSEISMIC INC ; WILLIAMS STROUD SHERILYN ; WILLIAMS STROUD SHERILYN C

Assignee(s): SILICON VALLEY BANK ; SQUARE 1 BANK ; PNC BANK NATIONAL ASSOCIATION ; PNC BANK NATIONAL ASSOCIATION AGENT AS

Inventor(s): (std): EISNER LEO ; WILLIAMS STROUD SHERILYN ; WILLIAMS STROUD SHERILYN C ; WILLIAMS STROUD SHERILYN C

Agent(s): CALLINANS; FISHER ADAMS KELLY CALLINANS; SHAPIRO COHEN; BOURA OLIVIER; RICHARD A; FAGIN RICHARD A

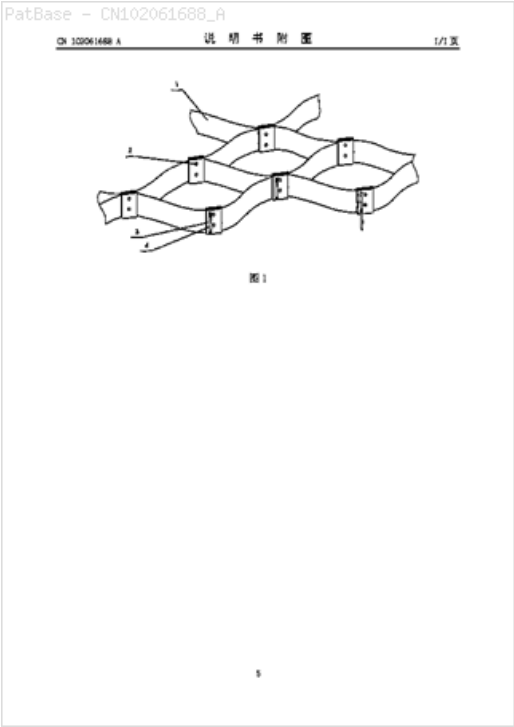
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY 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

Title: Technique for processing **geocell**

Abstract: Source: CN102061688A The invention discloses a technique for processing a **geocell**, and relates to a technique for processing an anticorrosive **geocell**. The technique comprises the following steps of: folding a ground strip, and connecting adjacent folded ground strips in a staggered way at intervals through a plurality of connecting buckles, wherein the connected **geocell** is honeycomb-shaped after being transversely stretched, and the process of connecting the adjacent ground strips in a staggered way at intervals comprises **perforation** of the connecting parts of the adjacent ground strips; and **performing** mechanical injection processing on the connecting parts of the adjacent ground strips to form a connecting buckle connected with the ground strips to form a whole. The integrated injection connecting buckle is processed at the connecting parts by using an injection molding process. Compared with the prior art, the connecting buckle is anticorrosive; and the operation strength during processing is also greatly reduced, the processing period is shortened, and the processing efficiency is improved. All plastic materials are light and abrasion-resistant, have stable chemical **performance**, photo-oxidation aging resistance and acid and alkali resistance, and are suitable for high-strength **geocell** products under different soil conditions of soil, deserts and the like.

Classifications:

International (IPC 8-9): B29C45/00 E02D3/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN102061688 A	20110518	CN200910212994	20091113

Priority:

CN200910212994 20091113

Probable Assignee: YIZHENG JIAHE CIVIL ENGINEERING MATERIALS CO LTD

Assignee(s): (std): YIZHENG JIAHE CIVIL ENGINEERING MATERIALS CO LTD

Assignee(s): YIZHENG JIAHE CIVIL ENGINEERING MATERIALS CO

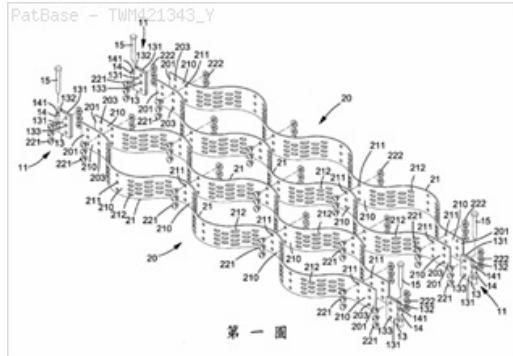
Inventor(s): (std): SHENGWEI JIANG

Inventor(s): JIANG SHENGWEI

Abstract: Source: TWM421343Y

Classifications:

International (IPC 8-9): E02D31/00 (Advanced/Invention)



Publication number	Publication date	Application number	Application date
TWM421343 Y	20120121	TW20110218925U	20111007

TW20110218925U 20111007

Probable Assignee:

Assignee(s): (std): SU XUE MENG

Inventor(s): (std): SU XUE MENG