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Results: 19

Search history

Search PA=(ANDRES URIEL GALLEG0 HENAO) (Results 2)

1:

Search PA=(DIMOPLAST) (Results 3)

2:

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3: 69769103:10 or 69765598:10 or 69765573:10 or 69764055:10 or 69763442:10 or 69761337:10 or 69760146:10 or 69740564:10 or 69736206:10 or 69732003:10 or 69731987:10 or 69731980:10 or 69731112:10 or 69731094:10 or 69731041:10 or 69729217:10 or 69728984:10 or 69725743:10 or 69724561:10 or 69723057:10 or 69721205:10 or 69720294:10 or 69718007:10 or 69712641:10 or 69707966:10 or 69702738:10 or 69702582:10 or 69700106:10 or 69699452:10 or 69699305:10 or 69695544:10 or 69694769:10 or 69694723:10 or 69692763:10 or 69690851:10 or 69688236:10 or 69684099:10 or 69682251:10 or 69657674:10 or 69653347:10 or 69652553:10 or 69651800:10 or 69651783:10 or 69647123:10 or 69646294:10 or 69645518:10 or 69644679:10 or 69637646:10 or 69636454:10 or 69629649:10 or 69628868:10 or 69627090:10 or 69624379:10 or 69622539:10 or 69613171:10 or 69610733:10 or 69610654:10 or 69608418:10 or 69608340:10 or 69607422:10 or 69607346:10 or 69603603:10 or 69603562:10 or 69603035:10 or 69597925:10 or 69595556:10 or 69595087:10 or 69591646:10 or 69581379:10 or 69581362:10 or 69580940:10 or 69567564:10 or 69564117:10 or 69562200:10 or 69561229:10 or 69559163:10 or 69558370:10 or 69555359:10 or 69554617:10 or 69553755:10 or 69548449:10 or 69544101:10 or 69543769:10 or 69542270:10 or 69541480:10 or 69540384:10 or 69540358:10 or 69537129:10 or 69533353:10 or 69485256:10 or 69485244:10 or 69480572:10) (Results 99)

Search water and permeab* (Results 386057)

4:

Search floor or ground or road (Results 1000000)

5:

Search 4 and 5 (Results 95168)

6:

Search E01C or B29C (Results 1570)

7:

Search 6 and 7 (Results 92)

8:

Search PN=(US8734049) (Results 1)

9:

Search fn=(65381267 or 65381267 or 65381267 or 65381267 or 63983332 or 66437032 or 65381267 or 43760226 or 22898450 or 1342462 or 29818871 or 22629354 or 8356939 or 17293907 or 28678421 or 28310491 or 34663883 or 30230450 or 32274255 or 33813617 or 33976031 or 47098399 or 44962642) (Results 19)

1) Family number: 22898450 (US3310906A)

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Title: TOY CONSTRUCTION BLOCKS AND ASSEMBLY

Abstract: (Claim 1) 1. A séries of identical toy construction blocks, each comprising: (a) a first pair of opposite arms lying along a first axis; (b) a second pair of opposite arms lying along a second axis which intersects said first axis perpendic-ularly at the center of said block; (c) a projection at the end of each arm comprising a pair of opposed, arcuate sides concentric about a central axis perpendicular to the axis of the arm to form a circular segment, and an outer rectilinear portion at the distai end of the projection forming a chord of said circular segment perpendicular to the axis of the arm; (d) a recess formed between each adjacent pair of arms, said recess being proportioned to receive the projections of other blocks of said series to inter-connect said blocks in a plurality of configurations, each said recess comprising a pair of opposed, arcuate sides concentric about a central axis perpendicular to the axes of the arms to form a circular segment, an opening through the outer portion of said segment, and a rectilinear inner portion nearest the center of the block forming a chord of said circular segment; (e) said projections being dimensioned so that when four of said blocks are interconnected such that their centers define the corners of a square, the projections on the inwardly disposed arms do not over-lap or interfere with each other; and, (f) each said block being proportioned so that $(2B)^2 \leq 2(A+B)^2$ wherein A=the distance between the center of the block and the inner rectilinear portion of any recess thereof, and B=the distance between the center of the block and the outer rectilinear portion of any projection thereof.

Classifications:

International (IPC 8-9): A63H33/06 (Advanced/Invention);

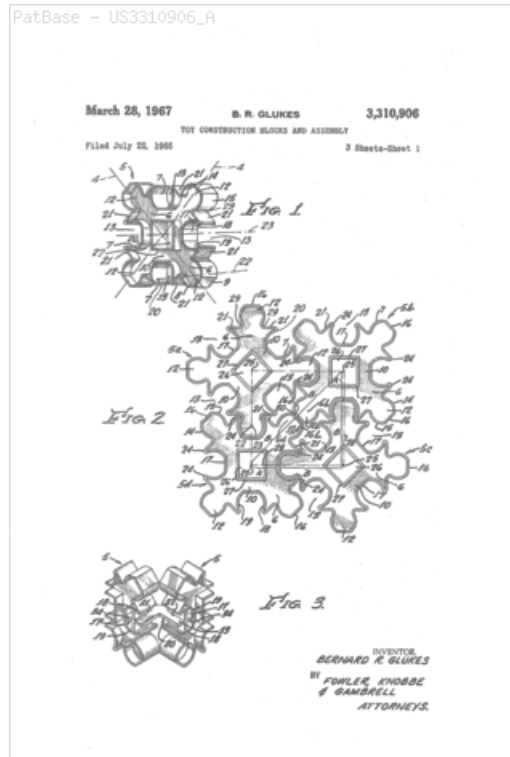
A63H33/04 (Core/Invention)

International (IPC 1-7): A63H33/06

CPC: A63H33/065

European: A63H33/06E

US: 405/16 446/95 D21/502

**Family:**

Publication number	Publication date	Application number	Application date
US3310906 A	19670328	US19650473983	19650722

Priority:

US19650473983 19650722

Probable Assignee: FOWLER KNOBBE AND GAMBRELL**Assignee(s):** (std): FOWLER KNOBBE AND GAMBRELL**Inventor(s):** (std): GLUKES BERNARD R**2) Family number: 1342462 (US4111585A)**

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Title: MODULE AND MODULAR SUPPORT FOR TURFGRASS AND LIKE AREAS

Abstract: A modular structure for supporting weight loads and traffic in extensively used turfgrass areas comprising a plurality of identical modules having open cells defined by vertical wall portions and a bottom wall. The modules are disposed in laterally adjacent interengaging interlocked relation to form the modular structure which is imbedded in the turfgrass area to a depth slightly less than the height of the module cells so that the upper edge portions of the cell side walls extend into the turfgrass to support and bear the weight and wear of traffic passing over the area.

Classifications:

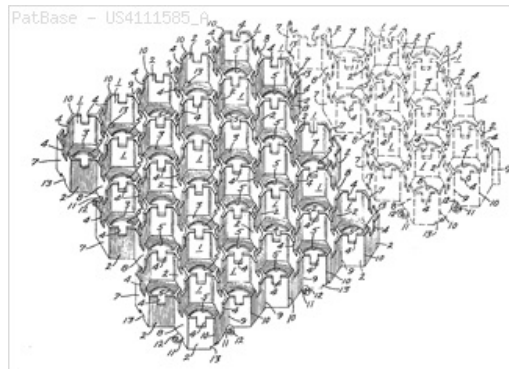
International (IPC 8-9): E01C13/08 E01C9/00 (Advanced/Invention);
E01C13/08 E01C9/00 (Core/Invention)

International (IPC 1-7): E01C5/20 E02B3/14 E02D17/20

CPC: Y10T428/24149 Y10T428/24165 E01C13/083 E01C9/004 Y02A30/32

European: E01C13/08B E01C9/00D

US: 404/36 404/70 428/116 428/118 47/33 47/86 52/181 52/448 52/660

**Family:**

Publication number	Publication date	Application number	Application date
AU197835517 A1	19791101	AU19780035517	19780427
AU515941 B2	19810507	AU19780035517	19780427
US4111585 A	19780905	US19770791379	19770427

Priority:

US19770791379 19770427

Probable Assignee: MASCARO TC

Assignee(s): (std): MASCARO T C ; MASCARO THOMAS C
Assignee(s): MASCARO TC
Inventor(s): (std): MASCARO T C ; MASCARO THOMAS C
Inventor(s): THOMAS C MASCARO ; TC MASCARO ; T C MASCARO

3) Family number: 29818871 (US4440818A)

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Title: FLOOR MAT CONNECTOR DEVICE

Abstract: A connector device for interconnecting a pair of adjacent floor mats wherein the mats are of the type having a rubberized base portion with a plurality of apertures therethrough and a plurality of supporting feet which extend integrally downwardly from the base portion to maintain it in upwardly spaced relation to a supporting surface. The connector device includes a connector body and a plurality of upwardly extending connector elements which are attached to the body. The connector elements are receivable in apertures adjacent the peripheries of a pair of abutting floor mats with the connector body extending between the mats. Plugs or the like are permanently securable in the connector elements in one of the mats to permanently secure the connector device thereto.

Classifications:

International (IPC 8-9): E01C5/00 E04F15/10 (Advanced/Invention);

E01C5/00 E04F15/10 (Core/Invention)

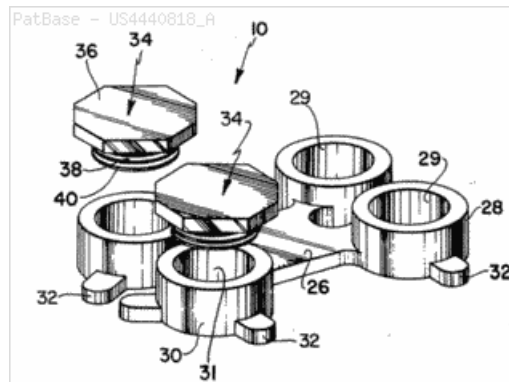
International (IPC 1-7): B32B3/12

CPC: E04F15/10 E01C5/005 Y10T428/24008 Y10T428/24157

Y10T428/24165

European: E01C5/00D E04F15/10

US: 428/117 428/118 428/99 52/581 52/582



Family:

Publication number	Publication date	Application number	Application date
US4440818 A	19840403	US19830481051	19830330

Priority:

US19830481051 19830330

Probable Assignee: TEKNOR APEX CO

Assignee(s): (std): TEKNOR APEX CO

Assignee(s): TEKNOR APEX COMPANY

Inventor(s): (std): BUCHAN WALTER ; CARDIN PAUL P ; FAIN NORMAN M

4) Family number: 22629354 (US4749302A)

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Title: Spacing pad

Abstract: The invention provides in the upper portion of the spacer pad spacer ribs 7. These ribs are notched in such a manner that they will lock with alignment ribs 10 that are provided in the bottom portion of each spacer pad. When the pads are stacked, lateral movement or shifting is prevented because alignment ribs 10 fit snugly into the notches 12 of spacer ribs 7 and provide a very stable support. This alignment and interlocking of alignment ribs 10 with spacer ribs 7 is a critical feature of this invention.

Classifications:

International (IPC 8-9): E01C3/00 E01C3/06 E01C5/20

E04F15/02 (Advanced/Invention);

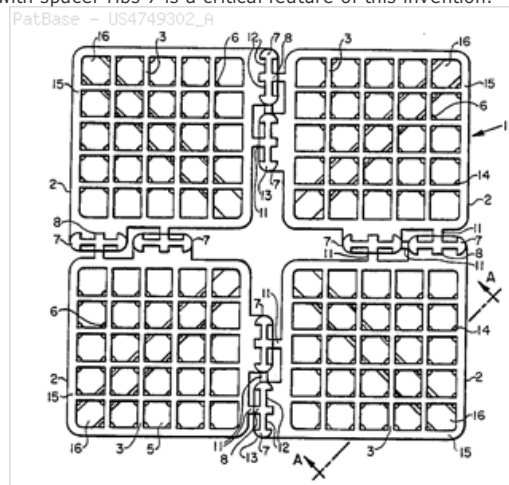
E01C3/00 E01C5/00 E04F15/02 (Core/Invention)

International (IPC 1-7): E01C3/00 E01C3/06 E01C5/20 E04F15/02

CPC: E01C3/006

European: E01C3/00C

US: 404/37 404/41



Family:

Publication number	Publication date	Application number	Application date
CA1205314 A1	19860603	CA19830430054	19830609
JP59213803 A2	19841203	JP19830167400	19830909
US4749302 A	19880607	US19830494818	19830516

Priority:

US19830494818 19830516 CA19830430054 19830609

Probable Assignee: DECLUTE ROBERT G

Assignee(s): (std): DECLUTE ROBERT G ; ROBAATO JII DEKURUUTO

Inventor(s): (std): ROBAATO JII DEKURUUTO ; DECLUTE ROBERT G

Agent(s): SIM AND MCBURNEY

5) Family number: 8356939 (US5102048A)

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Title: IRRIGATION HEAD SUPPORT

Abstract: An irrigation head support includes a circular mat formed by a plurality of concentric circular ribs connected by a plurality of circumferentially spaced radially extending ribs. Interstitial spaces formed between the intersecting ribs allow passage of plant roots through the mat to stabilize the mat in a selected position, just buried beneath the ground surface. A central circular aperture in the mat is dimensioned for reception of an irrigation head. A plurality of arcuate upstanding struts are spaced circumferentially about the periphery of the circular mat and have a vertical extent above the mat equal to the vertical extent of the support ribs above the mat. In use, the mat is placed around an irrigation head and covered with a filler material such as earth or sod. Grass roots subsequently grow through the interstitial spaces in the mat to secure the mat permanently in place. The irrigation head support prevents damage to the irrigation head from vehicle tires and also prevents erosion of the soil surrounding the irrigation head.

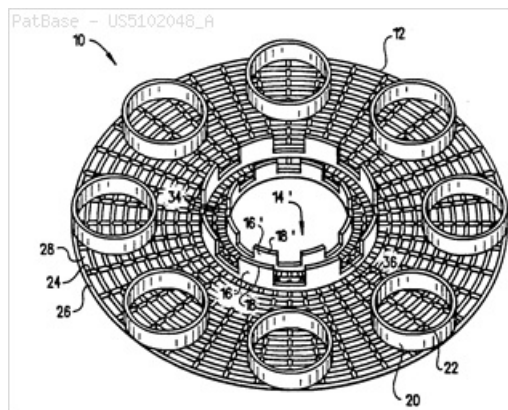
Classifications:

International (IPC 8-9): B05B15/06 E01C11/16 E01C11/18 E01C13/08 E01C9/00 E02D17/20 E04D11/00 (Advanced/Invention); B05B15/00 E01C11/00 E01C13/08 E01C9/00 E02D17/20 E04D11/00 (Core/Invention)

International (IPC 1-7): B05B15/06 B32B3/06 B32B3/10 E01C3/00 E01C5/18 E01C5/20 E04F15/10

CPC: E01C11/165 E01C11/18 E01C11/185 Y10T428/16 Y10T428/17 Y10T428/24008 Y10T428/24273 Y02A30/254 E01C9/004 E01C11/16 E02D17/20 E02D17/205 E04D11/002 Y02B80/32 E01C13/083 B05B15/62
European: B05B15/06A E01C11/16 E01C11/16B E01C11/18 E01C11/18B E01C13/08B E01C9/00D E02D17/20 E02D17/20C E04D11/00B Y02B80/32

US: 239/201 239/288.3 239/288.5 404/28 404/31 404/32 404/36 404/41 428/131 428/44 428/53 428/99 52/180



Family:

Publication number	Publication date	Application number	Application date
AU199226608 A1	19930405	AU19920026608	19920908
US5102048 A	19920407	US19900575630	19900831
US5123778 A	19920623	US19900588455	19900926
US5250340 A	19931005	US19910756459	19910909
WO9304856 A1	19930318	WO1992US07571	19920908

Priority:

US19900575630 19900831 US19900588455 19900926 US19910756459 19910909
WO1992US07571 19920908

Probable Assignee: BOHNHOFF WILLIAM W

Assignee(s): (std): BOHNHOFF WILLIAM W

Assignee(s): WILLIAM W BOHNHOFF

Inventor(s): (std): BOHNHOFF WILLIAM W

Inventor(s): WILLIAM W BOHNHOFF

Designated states: AT AU BB BE BF BG BJ BR CA CF CG CH CI CM CS DE DK ES FI FR GA GB GN GR HU IE IT JP KP KR LK LU MC MG ML MN MR MW NL NO PL RO RU SD SE SN TD TG

6) Family number: 17293907 (US5406745A)

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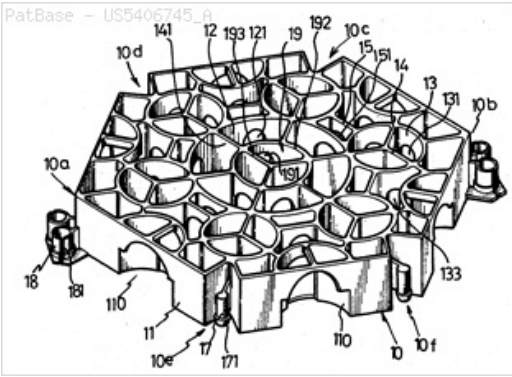
Title: HONEYCOMB GRASSPLANTING UNIT

Abstract: A honeycomb grass planting unit includes a hexagonal body with six peripheral walls extending vertically and including a plurality of soilpots and a central fence therein. The soilpots are interconnected by plates to reinforce the structure. Holes are formed in the soilpots and the fence through which hoses pass. Two receiving sockets are disposed on diagonal apexes of the hexagonal body and are releasably engaged with four snapping fasteners disposed on the remaining apexes of another hexagonal body to provide a releasable interconnection between two honeycomb grassplanting units.

Classifications:

International (IPC 8-9): A01G1/00 A01G9/02 E01C9/00 (Advanced/Invention); A01G1/00 A01G9/02 E01C9/00 (Core/Invention)

International (IPC 1-7): A01G1/12 A01G9/02 A01G9/10
CPC: A01G9/028 E01C9/004 A01G9/033
European: A01G1/00C A01G9/02G E01C9/00D
US: 404/41 47/1.01 47/1.01F 47/101 47/33



Family:

Publication number	Publication date	Application number	Application date
■ CN2144917 Y	19931103	CN19922043091U	19921209
■ GB2274764 A1	19940810	GB19930025081	19931207
■ GB2274764 B2	19951101	GB19930025081	19931207
■ GB9325081 A0	19940202	GB19930025081	19931207
■ US5406745 A	19950418	US19930075165	19930610

Priority:

CN19922043091U 19921209 US19930075165 19930610

Probable Assignee: SHUAIQING HORTICULTURE ENTERPR

Assignee(s): (std): SHOAI CHING HORTICULTURAL CO L ; SHUAIQING HORTICULTURE ENTERPR ; SHUAIQING HORTICULTURE ENTERPRISE CO LTD

Assignee(s): SHUAIQING HORTICULTURE ENTERPRISE CO ; SHOAI CHING HORTICULTURAL CO LTD ; LIN CHIN T

Inventor(s): (std): LIN CHIN TSAIR ; LIN JINCAI ; LIN CHIN T ; JINCAI LIN

Inventor(s): CHIN TSAIR LIN

7) Family number: 28678421 (US5848856A)

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Title: SUBSURFACE FLUID DRAINAGE AND STORAGE SYSTEMS

Abstract: There is provided by the invention a subsurface drainage system which promotes efficient and controlled subsurface drainage of fluids, such as irrigation water, applied to the surface of land such as a football field. A drain core apparatus is provided that provides rapid infiltration and later movement of subsurface fluids, but which is resistant to settling, compacting and crushing. The drain core is a thermoplastic mat having crush-resistant support members integrated with and upon a backing grid which holds the support members in spaced relation to one another. Fluid flowing into and through the drain core is collected and stored in a fluid storage container. The fluid storage container is adapted to be buried beneath the ground, and has an easily assembled internal support structure composed of vertically layered thermoplastic mats. The mats permit fluids to flow freely within the container, and yet lend vertical and structural stability to the container. Subsurface fluids gathered by the system may be re-applied to the surface to conserve water, fertilizer, and the like, to minimize evaporation, and to minimize water pollution.

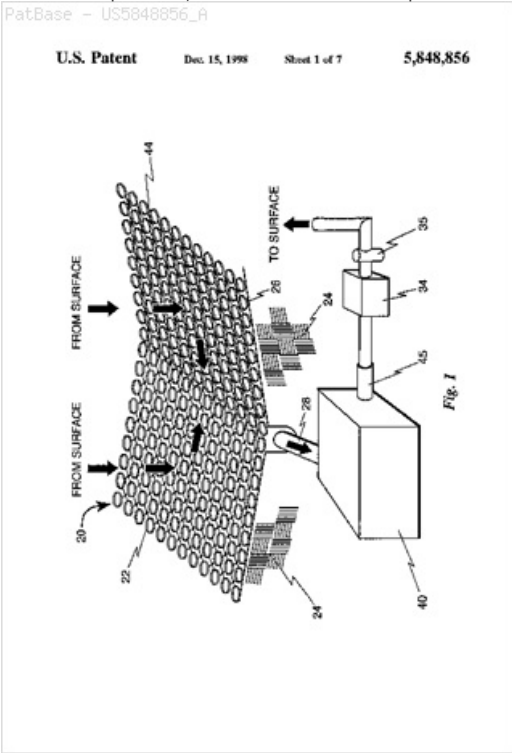
Classifications:

International (IPC 8-9): E01C9/00 E01H10/00 E01H3/04 E02B11/00
E03F1/00 E03F5/10 (Advanced/Invention);
E03F1/00 (Advanced/Non-invention);
E01C9/00 E01H10/00 E01H3/00 E02B11/00 E03F1/00
E03F5/10 (Core/Invention)

International (IPC 1-7): B05C5/00 E02B E02B11/00 E02B13/00
CPC: E01C9/002 E01H3/04 E01H10/005 Y02A10/33 Y02A20/408
E03F5/101 E02B11/00 E03F1/005

European: E01C9/00C E01H10/00C E01H3/04 E02B11/00 E03F1/00B4
E03F5/10 E03F5/10B

US: 239/201 404/71 405/36 405/37 405/43 405/45 405/52



Family:

Publication number	Publication date	Application number	Application date
AU199861494 A1	19980826	AU19980061494	19980202
AU724847 B2	20001005	AU19980061494	19980202
CA2286336 AA	19990930	CA19982286336	19980202
CA2286336 C	20080826	CA19982286336	19980202
CA2531826 AA	19980813	CA19982531826	19980202
CA2531826 C	20070424	CA19982531826	19980202
DE69838712 D1	20071227	DE19986038712	19980202
DE69838712 T2	20081030	DE19986038712T	19980202
EP0966571 A1	19991229	EP19980906214	19980202
EP0966571 A4	20010124	EP19980906214	19980202
EP0966571 B1	20071114	EP19980906214	19980202
ES2296329 T3	20080416	ES19980906214T	19980202
IL131311 A0	20010128	IL19990131311	19990809
IL131311 A1	20040927	IL19990131311	19990809
NZ337533 A	20010928	NZ19980337533	19980202
US5848856 A	19981215	US19970796304	19970207
US6095718 A	20000801	US19980169532	19981009
US6450731 BA	20020917	US20000624799	20000724
WO9835106 A1	19980813	WO1998US02362	19980202

Priority:

US19970796304	19970207	US19970796304	19970207	CA19982286336	19980202
CA19982531826	19980202	WO1998US02362	19980202	US19980169532	19981009
WO1998US02362	19990809	US20000624799	20000724		

Probable Assignee: INVISIBLE STRUCTURES INC**Assignee(s):** (std): INVISIBLE STRUCTURES INC**Assignee(s):** BOHNHOFF WILLIAM W**Inventor(s):** (std): BOHNHOFF WILLIAM W ; BOHNHOFF WILLIAM WALTER ; BOHNHOFF WILLIAM W ; WILLIAM W BOHNHOFF ; WILLIAM W BOHNHOFF**Agent(s):** SHELSTON IP; SHELSTON IP PTY LTD; BORDEN LADNER GERVAIS LLP; DR SHLOMO COHEN AND CO**Designated states:** AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CZ DE DK EE ES FI FR GA GB GE GH GM GN GR GW HU ID IE IL IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG UZ VN YU ZW**8) Family number: 28310491 (US2002122912A)**

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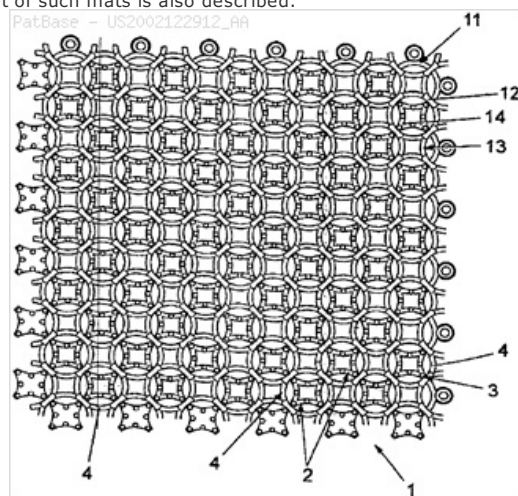
Title: FLOOR MAT

Abstract: There is provided a mat having multiple sets of pins, each set of pins being located within a surrounding, characterized in that the pins do not extend significantly beyond the highest point of the surrounding. Thus the pins are protected by the surrounding and are less likely to break after extended use. The mat may be provided with areas adapted for the receipt (of strips of textile materials, e.g. carpeting which advantageously has a hard-backing and is able to snap into the areas provided. The inclusion of the textile material combines a scraping function together with the visual appearance of a carpet. The strips of textile material will be separated by sets of pins as described above. A set of such mats is also described.

Classifications:**International (IPC 8-9):** A47L23/22 A47L23/24

E04F15/10 (Advanced/Invention);

A47L23/00 E04F15/10 (Core/Invention)

International (IPC 1-7): A46B1/00 A47L23/22 B05C17/10 B32B3/06 B32B3/10**CPC:** Y10T428/16 A47L23/24 E04F15/10**European:** A47L23/24 E04F15/10**US:** 15/161 15/215 15/216 15/217 15/238 15/239 15/240 15/241 15/322 15/392 428/44 52/177 52/181**Family:**

Publication number	Publication date	Application number	Application date
AT257668 E	20040115	AT19980942878T	19980910
AU199890850 A1	19990329	AU19980090850	19980910
AU739690 B2	20011018	AU19980090850	19980910
DE69821122 D1	20040219	DE19986021122	19980910
DE69821122 T2	20041118	DE19986021122T	19980910

Title: ROLL-UP FLOOR TILE SYSTEM AND METHOD

Abstract: A plurality of interlocking tile pieces form a generally flat traffic-carrying surface. The tile are locked together in a manner to form a plurality of non-bendable tile joints. The tile includes a hinge or fold line along a first axis and a hinge or fold line along a second axis. The hinges allow the multi-tile traffic carrying surface to be rolled up into a hollow tube from any direction along one of the axes, beginning at any edge of the traffic carrying surface. The rolled-up floor covering is made up of a plurality of tile panels.

Classifications:

International (IPC 8-9): E01C5/20 E04F15/10 E04F15/12

E04F15/16 (Advanced/Invention);

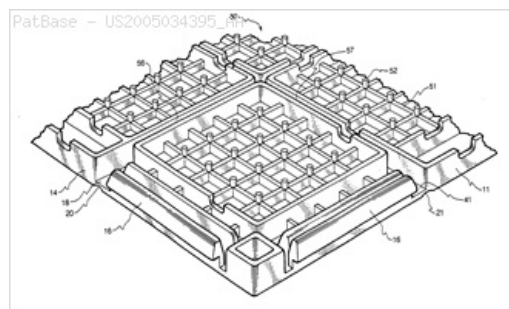
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International (IPC 1-7): E01C5/20 E04B5/00 E04F15/12 E04F15/16 E04H1/00

CPC: E04F15/02194 E04F15/105 E01C5/20 E01C2201/12 E04F2201/0594

European: E01C5/20 E04F15/10 P01C201/12 P04F201/05E

US: 404/35 404/41 52/177 52/384 52/391 52/506.01 52/592.1 52/747.11

**Family:**

Publication number	Publication date	Application number	Application date
CA2394715 AA	20031130	CA20022394715	20020723
US2005034395 AA	20050217	US20040932358	20040901
US6802159 BA	20041012	US20020159486	20020531
US7114298 BB	20061003	US20040932358	20040901

Priority:

US20020159486 20020531 CA20022394715 20020723 US20040932358 20040901

Probable Assignee: SNAP LOCK IND INC

Assignee(s): (std): REEL FLOORING INC ; SNAP LOCK IND INC

Assignee(s): SNAP LOCK INDUSTRIES ; SNAP LOCK INDUSTRIES INC ; SNAP LOCK IND ; KOTLER DANIEL

Inventor(s): (std): KOTLER DANIEL

Agent(s): RICHES MCKENZIE AND HERBERT LLP; L GRANT FOSTER HOLLAND AND HART LLP; HOLLAND AND HART

Title: CENTER PIVOT WING FLOTATION METHOD AND APPARATUS

Abstract: A method and apparatus for providing a flotation for the wings of a foldable wing of an agricultural seeder that are centrally suspended from the main frame such that individual wings are pivotable centrally of the longitudinal axis therefore to better follow the contours of the ground.

Classifications:

International (IPC 8-9): A01B49/00 A01B63/10 A01B73/04 A01C5/00

A01C7/08 A01C7/20 (Advanced/Invention);

A01B49/00 A01B63/10 A01B73/00 A01C5/00 A01C7/00

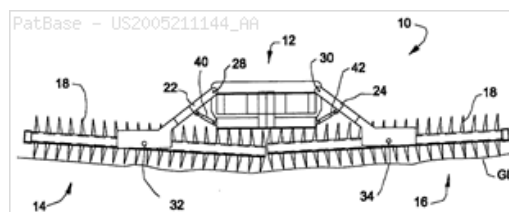
A01C7/08 (Core/Invention)

International (IPC 1-7): A01B63/10 A01C5/00 A01C7/08

CPC: A01B73/044 A01C7/20

European: A01B73/04L A01C7/20

US: 111/54 111/57 172/311

**Family:**

Publication number	Publication date	Application number	Application date
CA2490595 AA	20050927	CA20042490595	20041220
CA2490595 C	20101019	CA20042490595	20041220
US2005211144 AA	20050929	US20040810455	20040327
US7210538 BB	20070501	US20040810455	20040327

Priority:

US20040810455 20040327 CA20042490595 20041220

Probable Assignee: BLUE LEAF IP INC

Assignee(s): (std): CNH AMERICA LLC ; GUST JACOB N ; WAKE WILLIAM A

Assignee(s): CNH AMERICAS LLC ; BLUE LEAF IP INC

Inventor(s): (std): GUST JACOB N ; WAKE WILLIAM A

Inventor(s): GUST JACOB ; WAKE WILLIAM

Agent(s): GOWLING LAFLEUR HENDERSON LLP; CNH AMERICA LLC; REBECCA

Title: ROLLABLE LOAD BEARING MAT FOR TURF AREAS

Abstract: A rollable load bearing mat for protecting turf areas from damage caused by weight bearing loads, such as vehicle or pedestrian traffic, configured from a plurality of interconnected mat units having a plurality of spaced apart cell rows comprising a plurality of generally upstanding tubular cell members. The cell members comprise a series of first cell members and adjoining second cell members that, in the preferred embodiment, share a common sidewall and are axially offset. The cell rows are interconnected by a plurality of flexible strap members configured to allow the mat unit to be rolled for ease of handling and installation. The cell member sidewalls and the flexible strap members are configured to provide a substantially open cell member to facilitate plant growth through the mat unit. Connecting mechanisms at the periphery of the mat unit connect with adjacent mat units to form a unitary load bearing mat.

Classifications:

International (IPC 8-9): E01C5/00 E01C9/00

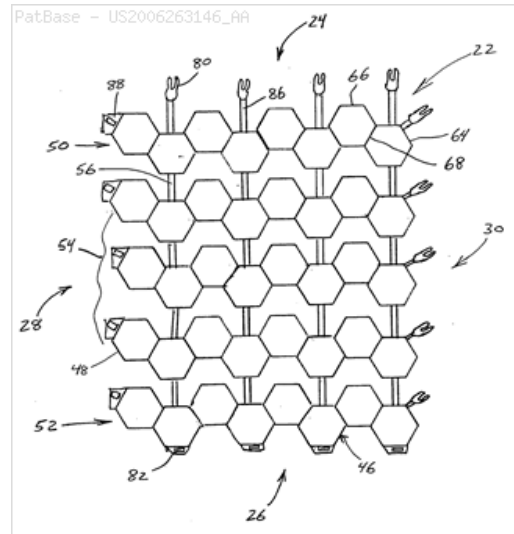
E01C9/08 (Advanced/Invention);

E01C5/00 E01C9/00 (Core/Invention)

CPC: Y02A30/32 E01C9/004

European: E01C9/00D

US: 404/35 404/36 404/41



Family:

Publication number	Publication date	Application number	Application date
US2006263146 AA	20061123	US20050134526	20050520
US7210876 BB	20070501	US20050134526	20050520

Priority:

US20050134526 20050520

Probable Assignee: NATIONAL DIVERSIFIED SALES INC

Assignee(s): (std): NAT DIVERSIFIED SALES INC

Assignee(s): NATIONAL CITY BANK ; NATIONAL DIVERSIFIED SALES INC ; PNC BANK NATIONAL ASSOCIATION

Inventor(s): (std): HAMMOND CLIFFORD P ; JUSKALIAN ROBERT S ; MORALES CHRIS M ; VILLARREAL ARTHUR

Inventor(s): HAMMOND CLIFFORD ; MORALES CHRIS ; JUSKALIAN ROBERT

Agent(s): RICHARD A RYAN ATTORNEY AT LAW; RICHARD A

Title: MODULAR FLOOR TILE WITH NONSLIP INSERT SYSTEM

Abstract: The principles described herein provide floor tiles and modular floors. The floor tiles include inserts that increase traction. The inserts may be removable and protrude from a top surface of the floor tiles. The tiles may include a locking system that allows adjacent tiles to interlock, while also permitting a predetermined amount of lateral sliding relative to one another. The modular tiles may be injection molded and the inserts may comprise an elastomer. The floor tiles may also provide four layers of traction, providing more sure footing than previous flooring systems.

Classifications:

International (IPC 8-9): B23P11/00 E01C11/24 E01C13/04 E01C5/20

E04B5/00 E04C2/00 E04C3/00 E04F11/16 E04F13/08 E04F15/00

E04F15/02 E04F15/022 E04F15/10 E04F15/22 (Advanced/Invention);

E04F15/22 (Advanced/Non-invention);

E01C5/00 E04B5/00 E04C2/00 E04C3/00 E04F13/08 E04F15/02

E04F15/022 E04F15/10 E04F15/22 (Core/Invention);

E04F15/22 (Core/Non-invention)

CPC: E04F15/22 Y10T29/49844 E04F15/225 E04F15/02022 E04F15/022

E04F2201/0146 E04F2201/091 E04F2201/095 E04F2203/00 E04F15/10

E04F15/02194 E01C5/20 E01C11/24 E01C13/045 E01C2201/12

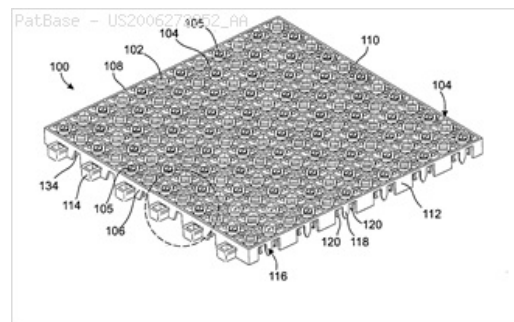
E01C2201/16 E04F15/105

European: E01C11/24 E01C13/04B E01C5/20 P01C201/12 P01C201/16

US: 1/1 29/436 29/436S 404/41 52/177 52/181 52/384 52/384P 52/386

52/403.1 52/403.100P 52/403.100S 52/578 52/578P 52/578S 52/588.1

52/588.100P 52/588.100S 52/591.1 52/592.1 52/747.11 52/747.110S



Family:

Publication number	Publication date	Application number	Application date
US2006272252 AA	20061207	US20050291002	20051130

US2006283118 AA	20061221	US20060379109	20060418
US2006283125 AA	20061221	US20050143337	20050602
US2009031658 AA	20090205	US20080252168	20081015
US2009282769 AA	20091119	US20090507978	20090723
US2011056158 AA	20110310	US20100945195	20101112
US2012117906 AA	20120517	US20120356475	20120123
US2013180195 AA	20130718	US20130784673	20130304
US2014237916 AA	20140828	US20140270204	20140505
US2015225965 AA	20150813	US20150694863	20150423
US7571572 BB	20090811	US20050143337	20050602
US7587865 BB	20090915	US20060379109	20060418
US7918057 BB	20110405	US20090507978	20090723
US7958681 BB	20110614	US20050291002	20051130
US8099915 BB	20120124	US20080252168	20081015
US8341896 BB	20130101	US20120356475	20120123
US8656662 BB	20140225	US20100945195	20101112
US8713863 BB	20140506	US20130784673	20130304
US9080333 BB	20150714	US20140270204	20140505
US9695603 BB	20170704	US20150694863	20150423

Priority:

US20050142227 20050602	US20050143337 20050602	US20050291002 20051130
US20060379109 20060418	US20080252168 20081015	US20090507978 20090723
US20100945195 20101112	US20120356475 20120123	US20130784673 20130304
US20140270204 20140505	US20150694863 20150423	

Probable Assignee: SNAPSPORTS CO

Assignee(s): (std): MOLLER JORGEN J JR ; MOLLER JR JORGEN J ; SHAPIRO JEREMIAH D ; SNAPSPORTS CO ; SNAPSPORTS COMPANY

Assignee(s): UNITED TECHNOLOGIES CORP

Inventor(s): (std): MOLLER JR JORGEN J ; SHAPIRO JEREMIAH D ; MOLLER JORGEN J JR

Inventor(s): MOLLER JORGEN J ; MOLLER JORGEN J JR ; MOLLER ; JR JORGEN J ; MOLLER JORGEN ; MOLLER JR JORGEN

Agent(s): L GRANT FOSTER HOLLAND AND HART LLP; HOLLAND AND HART LLP; HOLLAND AND HART

14) Family number: 44962642 (US2010109189A)

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Title: CONTINUOUS FLEXIBLE SUPPORT STRUCTURE ASSEMBLY

Abstract: A surface support structure is provided with at least one cell having a plurality of upright walls. A first wall of the plurality of upright walls has a recessed portion forming at least a portion to allow extension and contraction in multiple directions of the at least one cell. The plurality of upright walls of the at least one cell define a perimeter such that the recessed portion extends towards a second wall of the plurality of upright walls and is within the perimeter.

Classifications:

International (IPC 8-9): B27N3/08 E01C5/20 E01C9/00

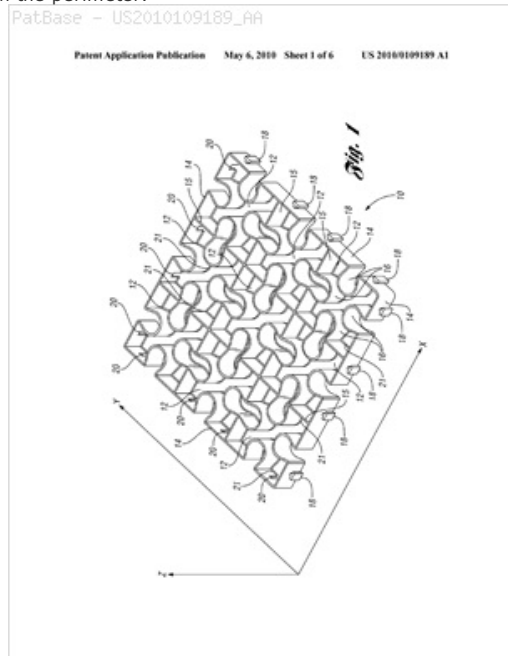
E04F11/16 (Advanced/Invention);

B27N3/08 E01C5/00 E01C9/00 (Core/Invention)

CPC: Y10T428/249921 E01C5/20 E01C9/004

European: E01C5/20 E01C9/00D

US: 15/161 15/238 264/239 264/239P 404/34 404/36 404/37 404/41 404/42 428/221 428/221S 52/177 52/180 52/581



Family:

Publication number	Publication date	Application number	Application date
EP2182116 A2	20100505	EP20080169582	20081120
EP2182116 A3	20140903	EP20080169582	20081120
US2010109189 AA	20100506	US20080264425	20081104
US7950191 BB	20110531	US20080264425	20081104

Priority:

US20080264425 20081104

Probable Assignee: CONWED PLASTICS LLC

Assignee(s): (std): CONWED PLASTICS LLC

Inventor(s): (std): BROUWERS HENRICUS

Agent(s): LAMB RICHARD ANDREW; STANNERS DAVID RALPH; BROOKS KUSHMAN PC

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

15) Family number: 47098399 (US2010260546A)

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Title: SUBSURFACE DRAINAGE SYSTEM AND DRAIN STRUCTURE THEREFOR

Abstract: A subsurface drainage assembly for directing fluid drainage from a surface is disclosed. The subsurface drainage assembly includes a plurality of drain structure panels that include a plurality of spaced apart tubular support members arranged to define a unit having a plurality of side edges, the tubular support members having a first end, a second end, and a sidewall extending there between. The drain structure panels further include at least one strut extending from each support member to another support member to latterly support the tubular support members. An anchor plate is positioned between at least two tubular support members. The anchor plate has an aperture formed there through sized and configured to receive a ground anchoring member for securing the drain structure panel to a ground surface.

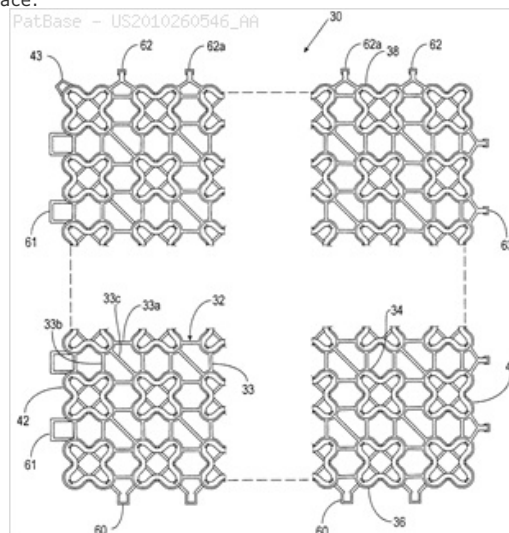
Classifications:

International (IPC 8-9): E02B11/00 (Advanced/Invention)

CPC: E02B11/00 E03F1/002

European: E02B11/00 E03F1/00B

US: 405/36 405/36P 405/43 405/45 405/50 52/169.5



Family:

Publication number	Publication date	Application number	Application date
■ US2010260546 AA	20101014	US20090420592	20090408
■ US7815395 BA	20101019	US20090420592	20090408

Priority:

US20090420592 20090408

Probable Assignee: AIRFIELD SYSTEMS LLC

Assignee(s): (std): AIRFIELD SYSTEMS L L C

Assignee(s): AIRFIELD SYSTEMS LLC

Inventor(s): (std): BLACKWOOD CHARLES R

Agent(s): DUNLAP CODDING PC

16) Family number: 43760226 (US2012163911A)

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Title: SURFACES USING STRUCTURAL MODULES

Abstract: A structural module which is suitable for combining with like structural modules to form an area suitable for walking on and/or for travelling directly over by a vehicle, comprises a flat top wall and a bottom wall spaced therefrom by side walls so as to define a volume between the top and bottom walls. The top wall is provided with a plurality of apertures to permit the flow of liquid into the volume, and the side walls and/or the bottom wall are provided with apertures to permit the flow of liquid out of the volume. The size and shape of each aperture in the top wall is such that the maximum diameter of sphere that the aperture would let through is in a range up to 10 mm.

Classifications:

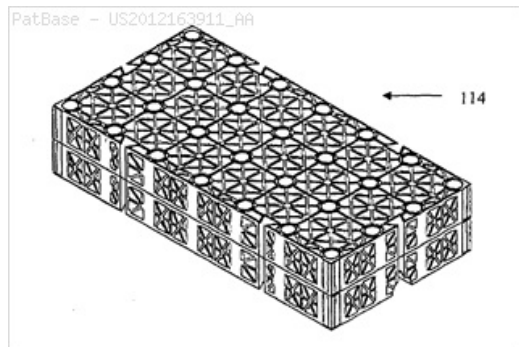
International (IPC 8-9): E01C11/24 E01C3/00 E01C3/06 E01C5/00

E01C5/22 E01C9/08 (Advanced/Invention)

CPC: E01C3/006 E01C3/06 E01C5/22 E01C9/086

European: E01C5/22 E01C9/08C

US: 404/29 404/34 404/41 404/41P 404/72 404/72S



Family:

Publication number	Publication date	Application number	Application date
CA2767839 AA	20110120	CA20102767839	20100713
CA2767839 C	20170808	CA20102767839	20100713
EP2454416 A1	20120523	EP20100737094	20100713
GB200912174 A0	20090826	GB20090012174	20090713
US2012163911 AA	20120628	US20100383830	20100713
US8790037 BB	20140729	US20100383830	20100713
WO11007128 A1	20110120	WO2010GB01332	20100713

Priority:

GB20090012174 20090713 WO2010GB01332 20100713

Probable Assignee: PERMAVOID LTD

Assignee(s): (std): PERMAVOID LTD ; SHUTTLEWORTH ANDREW BRYAN ; VAN RAAM CAROLUS HERMANUS ; CULLETON PAUL DAVID

Assignee(s): PERMAVOID LIMITED

Inventor(s): (std): VAN RAAM CAROLUS HERMANUS ; SHUTTLEWORTH ANDREW BRYAN ; CULLETON PAUL DAVID

Agent(s): BERESKIN AND PARR LLP SENCRL SRL; BUTLER MICHAEL JOHN; MCDONNELL BOEHNEN HULBERT AND BERGHOFF LLP; DEHNS

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

17) Family number: 63983332 (USD771837S)

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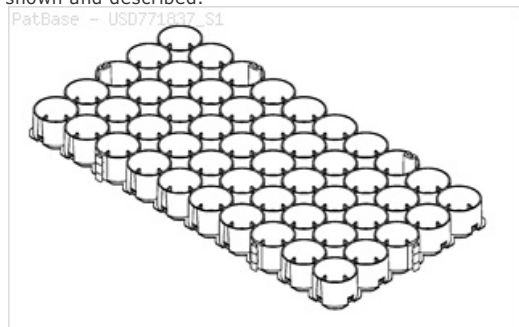
Title: PAVING MAT

Abstract: [Source: Claim 1] The ornamental design for a paving mat, as shown and described.

Classifications:

US: D25/117

Locarno class: 25/01



Family:

Publication number	Publication date	Application number	Application date
USD771837 S1	20161115	US20150515495F	20150123

Priority:

US20150515495F 20150123

Probable Assignee: ASTACIO MARIESTELLA COLON

Assignee(s): (std): ASTACIO MARIESTELLA COLON

Inventor(s): (std): ASTACIO MARIESTELLA COLON

Agent(s): BLK LAW GROUP; BLYNN L; KRISANNE

18) Family number: 65381267 (US2018044861A)

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Title: RECONFIGURABLE ONE PIECE WATER PERMEABLE PAVER

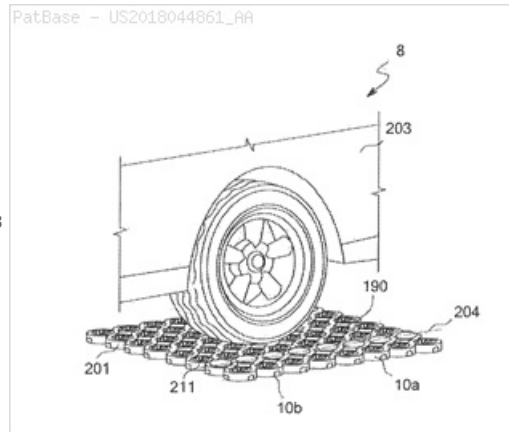
Abstract: A reflective and directional water permeable payer system, which has a plurality of connection cells and is configured to support traffic, includes a marker insert. The marker insert has a continuous body wall with at least one tensioning marker rib extending from the continuous body wall. The marker insert has an insert head. The insert head diameter extending beyond the continuous body wall of the marker insert. The marker insert body diameter is substantially equal to the inner wall diameter of at least one of the connection cells.

Classifications:

International (IPC 8-9): E01C11/00 E01C11/24 E01C15/00 E01C17/00 E01C3/00 E01C5/00 E01C5/20 E01C9/00 E01C9/08 E01F9/00 E01F9/20 E01F9/30 E01F9/40 E01F9/506 E01F9/524 E01F9/559 E01F9/576 E01F9/582 F21S8/02 F21S9/02 F21V15/01 F21V23/04 H05B37/02 (Advanced/Invention);

E01C13/04 E01C15/00 E01C5/20 E01C9/08 F21V7/00 (Advanced/Non-invention)

CPC: E01C17/00 E01C9/08 E01C15/00 E01C2201/02 E01C2201/04 E01C2201/12 F21S2/00 F21S8/022 F21S9/02 F21V15/01 F21V23/0407 F21W2111/02 F21Y2115/10 F21V33/006 E01F9/559 E01C9/004 E01F9/553 Y02A30/32 E01C5/00 E01C3/00 E01C11/00 E01C5/005 E01F9/506 E01F9/582 E01F9/524 E01F9/578 E01C11/24 E01C9/086 E01C13/045 E01C2201/20 F21V7/0008 H05B37/029 E01C3/003 E01C5/20



Family:

Publication number	Publication date	Application number	Application date
US2018044861 AA	20180215	US20170795970	20171027
US2018051425 AA	20180222	US20170795940	20171027
US9617698 BA	20170411	US20160255853	20160902
US9670624 BA	20170606	US20160360174	20161123
US9909264 BA	20180306	US20170795970	20171027
US9909266 BA	20180306	US20170795940	20171027
WO18044379 A1	20180308	WO2017US38557	20170621

Priority:

US20150272261P 20151229 US20160244853 20160902 US20160255853 20160902
US20160360174 20161123 US20170795970 20171027 US20170795940 20171027

Probable Assignee: STILES MFG LLC

Assignee(s): (std): STILES MFG LLC

Inventor(s): (std): STILES BARRY J

Agent(s): BUSKOP LAW GROUP PC; WENDY; BUSKOP WENDY

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT HW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW 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 PA PE PG PH PL PT QA RO RS RU RW SA 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

19) Family number: 66437032 (USD792987S)

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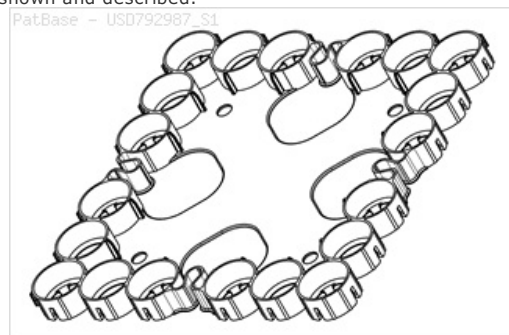
Title: PAVER GRID

Abstract: [Source: Claim 1] The ornamental design for a paver grid, as shown and described.

Classifications:

US: D25/155

Locarno class: 25/01



Family:

Publication number	Publication date	Application number	Application date
USD792987 S1	20170725	US20160551799F	20160115

Priority:

US20160551799F 20160115

Probable Assignee: STILES MFG LLC

Assignee(s): (std):	STILES MFG LLC
Inventor(s): (std):	STILES BARRY J
Agent(s):	BUSKOP LAW GROUP PC; WENDY