

PatBase - Search results 08 September 2017

Search query (1): PN=(DE19640128 OR DE202007006447 OR EP2138649 OR FR2922230 OR JP2001081951 OR JP2005213836 OR KR20050089760 OR US8925264 OR US3394524 OR WO199826139 OR US6035598 OR US6134846)

Results: 12

14-024130

1er examen de fondo

Search history

Search PN=(DE19640128 OR DE202007006447 OR EP2138649 OR FR2922230 OR JP2001081951 OR JP2005213836 OR KR20050089760 OR
1: US8925264 OR US3394524 OR WO199826139 OR US6035598 OR US6134846) (Results 12)

Title: Joints for sheet metal

Abstract: Source: US3394524A ABSTRACT OF THE DISCLOSURE

A cladding material or panel structure having complementary male and female inverted Channels for jointing means at the longitudinal edges with the female Channel having a returned or reversely bent tongue to engage with its free edge in a hook or barb-like engaging action within a groove in the male Channel. An upstanding inverted Channel integral with and extending upwardly from the main body portion of the panel is located intermediate the male and female Channels with the medial Channel having its side wall substantially parallel over the initial section and with one side wall stepped out-wardly to provide an internal Shoulder above the parallel section of the walls. A fastening strip provided with a shaped flange for engagement over the male inverted Channel of the previously laid panel is provided at one end of a strap located in the same plane as the body portion and a hook arm extends upwardly perpendicularly from the opposite end of the strap for engagement within the medial Channel. The hook arm includes a tongue arranged to engage over the internal Shoulder in the medial Channel to constitute a hook-like engagement for pre-venting withdrawal of the hook arm from the medial Channel.

Classifications:

International (IPC 8-9): B21D39/02 E04D3/363 (Advanced/Invention); B21D39/02 E04D3/36 (Core/Invention)

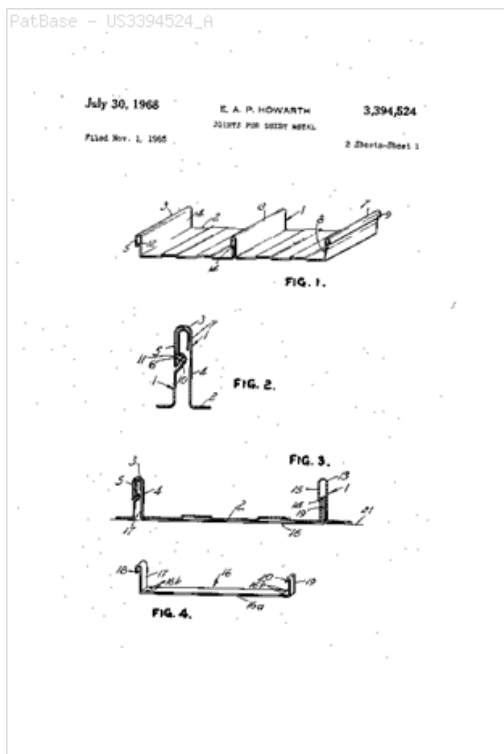
International (IPC 1-7): E04D3/363 E04F13/12

CPC: B21D39/02 E04D3/363

European: B21D39/02 E04D3/363

US: 52/529 52/588.1 52/712 525/880 D25/125

PatBase - US3394524_A



Family:

Publication number	Publication date	Application number	Application date
GB1088988 A	19671025	GB19650046949	19651105
US3394524 A	19680730	US19650505860	19651101

Priority:

NZ19640139893 19641105

Probable Assignee: EDWARD A P HOWARTH

Assignee(s): (std): DIMOND IND LTD ; EDWARD A P HOWARTH

Assignee(s): DIMOND INDUSTRIES LIMITED

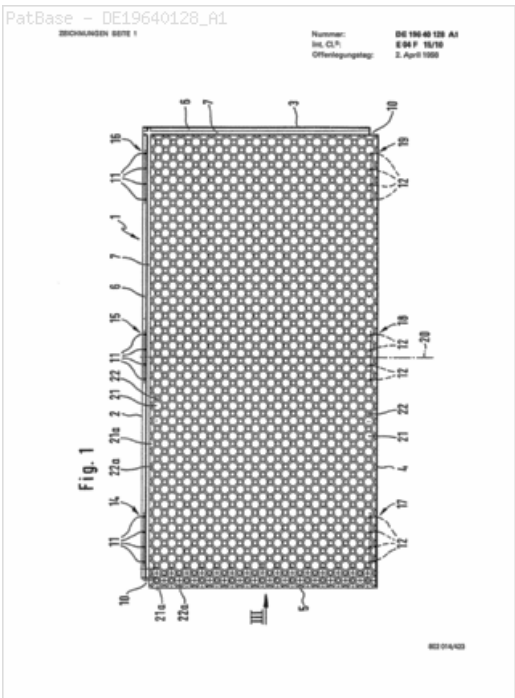
Inventor(s): (std): HOWARTH EDWARD A P

Title: FLOOR LINING FOR INDUSTRIAL CONSTRUCTIONS

Abstract: Source: DE19640128A1 The floor lining comprises a rectangular plate (1) with four sides (2-5) of reduced thickness. The four sides are formed so as to be connected with neighbouring plates by a groove and tongue connection. The plate is provided with a pair of fixing elements (11,12), one element being provided in the groove (7) of one plate side edge (4) and the other in the tongue (6) of the opposite plate side edge (2). The fixing elements are vertically arranged relative to the concerned side edges and are formed so as to provide a detachable connection with neighbouring plates. A fastening plug may be provided to the recesses of the fixing elements.

Classifications:

International (IPC 8-9): E01C5/00 E01C5/20
E04F15/10 (Advanced/Invention);
E01C5/00 E04F15/10 (Core/Invention)
International (IPC 1-7): E04F15/10
CPC: E04F15/02172 E01C5/20 E01C5/005 E01C2201/12 E04F15/10
European: E01C5/00D E01C5/20 E04F15/10 P01C201/12



Family:

Publication number	Publication date	Application number	Application date
DE19640128 A1	19980402	DE19961040128	19960928

Priority:

DE19961040128 19960928

Probable Assignee: HOERNER CLEMENS DIPL BETRIEBSW

Assignee(s): (std): HOERNER CLEMENS DIPL BETRIEBSW

Assignee(s): HOERNER CLEMENS DIPL BETRIEBSW BA 73529 SCHWAEBI ; HOERNER CLEMENS DIPL BETRIEBSW BA 73529 SCHWAEBISCH GMUEND DE

Inventor(s): (std): HOERNER CLEMENS

Inventor(s): HOERNER CLEMENS DIPL BETRIEBSW BA 73529 SCHWAEBISCH GMUEND DE ; HOERNER CLEMENS DIPL BETRIEBSW BA 73529 SCHWAEBI ; HOERNER CLEMENS DIPL BETRIEBSW

Title: Tongue and groove multiple step panel

Abstract: Source: US5752355A Sheet metal multiple stepped tile panels are joined to similar roof panels in interlocking relationship. On one edge running the length of the panel is a single female groove while the opposite edge of the panel has a plurality of male members which can engage the single groove of a similarly shaped panel. The stepped panel is quite long compared to its width. Hidden screws in a securing flange join the panel to a roof.

Classifications:

International (IPC 8-9): E04D1/18 E04D3/30

E04D3/362 (Advanced/Invention);

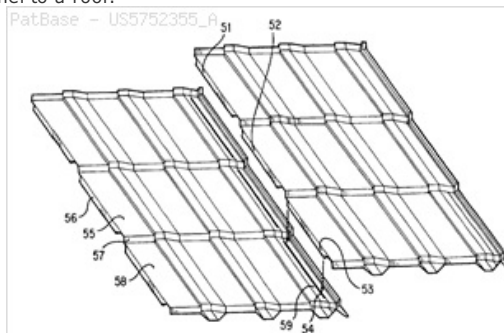
E04D1/12 E04D3/24 E04D3/36 (Core/Invention)

International (IPC 1-7): E04D1/00 E04D1/18 E04D3/30 E04D3/362

CPC: E04D1/18 E04D3/30

European: E04D1/18 E04D3/30

US: 52/519 52/525 52/529 52/531 52/535 52/537 52/539 52/555 52/557 525/390



Family:

Publication number	Publication date	Application number	Application date
AU199855157 A1	19980703	AU19980055157	19971205
CA2273866 AA	19990603	CA19972273866	19971205
CA2273866 C	20060404	CA19972273866	19971205
DE69732921 D1	20050504	DE19976032921	19971205
DE69732921 T2	20050818	DE19976032921T	19971205
DK0956407 T3	20050517	DK19970951538T	19971205
EP0956407 A1	19991117	EP19970951538	19971205
EP0956407 A4	20010221	EP19970951538	19971205
EP0956407 B1	20050330	EP19970951538	19971205
HU0000526 AB	20000828	HU20000000526	19971205
HU0000526 AC	20000928	HU20000000526	19971205
JP2001506329 T2	20010515	JP19980526806T	19971205
JP3708132 B2	20051019	JP19980526806	19971205
PL185782 B1	20030731	PL19970333917	19971205
PL333917 A1	20000131	PL19970333917	19971205
US5752355 A	19980519	US19960771821	19961212
WO9826139 A1	19980618	WO1997US22158	19971205

Priority:

US19960771821 19961212 WO1997US22158 19971205

Probable Assignee: SAHRAMAA KIMMO JUHANI RESTON

Assignee(s): (std): KIMMO JUHANI SAHRAMAA ; SAHRAMAA KIMMO JUHANI ; SAHRAMAA KIMMO JUHANI RESTON

Assignee(s): SAHRAMAA KIMMO JUHANI RESTON VIRGINIA ; SAHRAMAA KIMMO J

Inventor(s): (std): KIMMO JUHANI SAHRAMAA ; SAHRAMAA KIMMO J ; SAHRAMAA KIMMO JUHANI

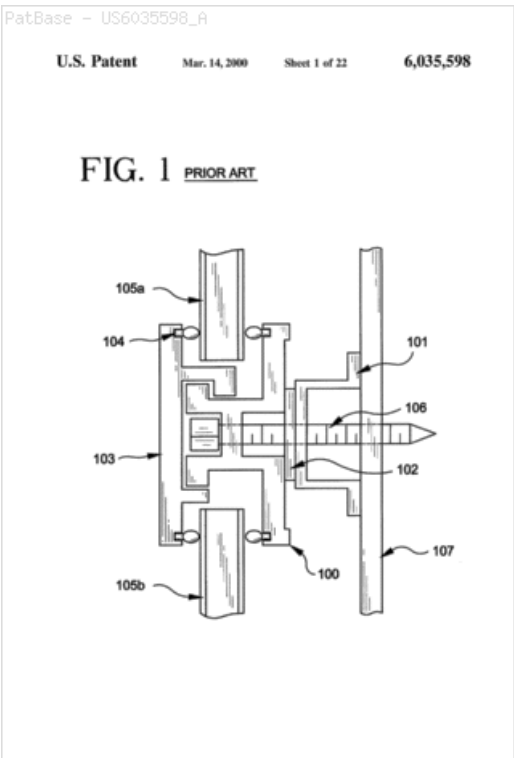
Agent(s): GOWLING LAFLEUR HENDERSON LLP

Designated states: AT AU BE BR CA CH CN DE DK ES FI FR GB GR HU ID IE IT JP KR LI LU MC MX NL PL PT RU SE VN

Title: Composite panel attachment system

Abstract: Source: US6035598A The present invention provides a system for attaching a panel to a building wall using an elongated channel. The panel has a main panel portion, a panel edge portion and a groove therebetween. The elongated channel has a body and a pair of rails. The body is attachable to the wall by a fastener. The pair of rails are integrally formed with the body, extending substantially perpendicularly from the body in the same direction. One, or both, of the rails ends in a flange that is contoured to engage the cavity formed by the groove when the panel edge portion is bent around the groove and toward the rail.

Classifications:
International (IPC 8-9): E04F13/08 (Advanced/Invention); E04F13/08 (Core/Invention)
International (IPC 1-7): E04B2/96
CPC: E04F13/081 E04F13/0889
European: E04F13/08B2C E04F13/08R
US: 52/235 52/482 52/506.08 52/509 52/510 52/631 52/747.1 52/762 52/772 52/773 52/779 52/781 525/60.8



Family:

Publication number	Publication date	Application number	Application date
US6035598 A	20000314	US19980081093	19980519

Priority:
US19970058803P 19970915 US19980081093 19980519

Probable Assignee: UNITED ATTACHMENT SYSTEMS INC

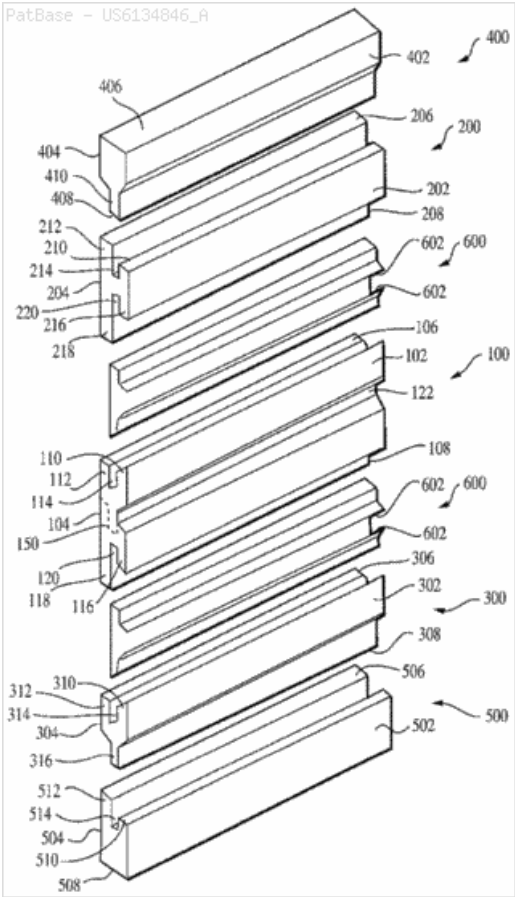
Assignee(s): (std): UNITED ATTACHMENT SYSTEMS INC

Inventor(s): (std): SCHMIDT ROBERT C ; SUKOLICS RONALD D

Title: Modular slatwall system

Abstract: Source: US6134846A A slatwall system having a central, female, and male channels. The central channel includes top and bottom slots, as does the female channel, whereas the male channel includes a top slot and a bottom tongue. The channels may be arrayed on a wall such that the female channel bottom slot and the central channel top slot face each other, and so that the central channel bottom slot and the male channel top slot face each other. The facing slots of these channels thereby define grooves where hanging implements may be inserted. Further, the female and male channels are sized and configured such that when a male channel bottom tongue is inserted within a female channel top slot, the combined female and male channels have substantially the same size and configuration as the central channel; in other words, the male channel top slot resembles the central channel top slot and the female channel bottom slot resembles the central channel bottom slot. This arrangement allows multiple central channels (or combined male and female channels) to be stacked atop each other, and/or stacked below female channels and above male channels, to define a slatwall array having numerous grooves for hanging implements. Terminal members for vertically terminating the top sides and bottom sides of a slatwall array are also shown and described, as are spacer members for allowing spacing of the hanging grooves at desired vertical locations.

Classifications:
International (IPC 8-9): A47F5/08 (Advanced/Invention);
A47F5/08 (Core/Invention)
International (IPC 1-7): E04C1/10
CPC: A47F5/0846
European: A47F5/08B4
US: 211/94.01 52/36.5 52/365 52/588.1



Family:

Publication number	Publication date	Application number	Application date
US6134846 A	20001024	US19980190035	19981111

Priority:

US19970065669P 19971118 US19980190035 19981111

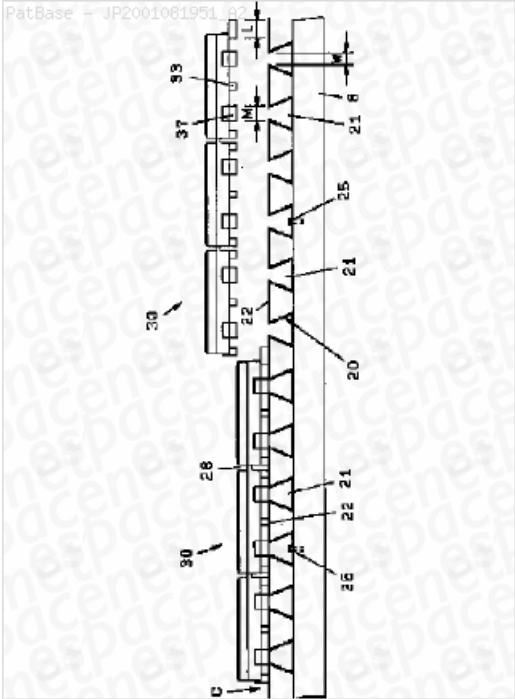
Probable Assignee: LAMB CHARLES
Assignee(s): (std): LAMB CHARLES
Inventor(s): (std): LAMB CHARLES

Title: FLOOR STRUCTURE

Abstract: Source: JP2001081951A PROBLEM TO BE SOLVED: To obtain a floor structure, in which a fall-in is prevented even when there is the connecting section of a unit floor facing on the groove section of a floor foundation, in the floor structure being simply executed as the floor structure of a veranda, a balcony or the like in a residence and having excellent drainage properties and design properties. SOLUTION: In the floor structure in which unit floor facings 30 using resin mats as base materials are connected mutually and laid on a floor foundation, the laying surface of the floor foundation is formed of folded plate members 20 with groove sections 21, leg sections 33 are projected and formed to the lower sections of rears in the resin mats and female connecting sections and male connecting sections in positional relationship corresponding to the female connecting sections on each opposed side of the female connecting sections are formed at the end sections of mutually adjacent two sides, and at least the depth size of the female-male connecting sections is made larger than the opening width size of the groove sections 21.

Classifications:

International (ipc 8-9): E04B1/00 E04F15/00 E04F15/02 (Advanced/Invention); E04B1/00 E04F15/00 E04F15/02 (Core/Invention)
International (ipc 1-7): E04F15/00 E04F15/02



Family:

Publication number	Publication date	Application number	Application date
JP2001081951 A2	20010327	JP20000075884	20000317

Priority:

JP19990197599 19990712 JP20000075884 20000317

Probable Assignee: SEKISUI CHEMICAL CO LTD

Assignee(s): (std): SEKISUI CHEMICAL CO LTD

Assignee(s): SEKISUI CHEM CO LTD

Inventor(s): (std): AIZAKI SEIGO ; SHIMIZU SADAHIDE ; TAKAHASHI MASAYORI

Title: FLAT FLOOR SLAB OF REINFORCED CONCRETE STRUCTURE

Abstract: Source: JP2005213836A PROBLEM TO BE SOLVED: To streamline mold construction by using interior finishing panels used commonly to a mold, reduce the used amount of concrete, uniformly distribute the transmission of a load and stress from a concrete slab to a girder, and streamline wiring and piping on a ceiling surface in a concrete floor slab. SOLUTION: One-direction slab with flat surface Sf formed by alternately disposing concrete thin-walled parts SA and concrete thick-walled parts SB equal in width in a floor slab short side span direction. In the concrete thin-walled parts SA, thick-walled panels 1 formed by laminating thick-walled insulators 1b on the interior finishing parts are integrally fixed to the lower surface of the concrete slab S in the connected state of the insulators 1b and 2b to cover the lower surface of the concrete floor slab S by an insulator layer. In the concrete thick-walled part SB, thin-walled panels 2 formed by laminating the thin-walled insulators 2b on the interior finishing materials 2a are integrally fixed to the lower surface of the concrete slab S in the connected state of the insulators 1b and 2b to cover the lower surface of the concrete floor slab S by the insulator layer. Groups of line grooves 1H, 2H, and 2G for wiring and piping are passed through the insulators 1b and 2b.

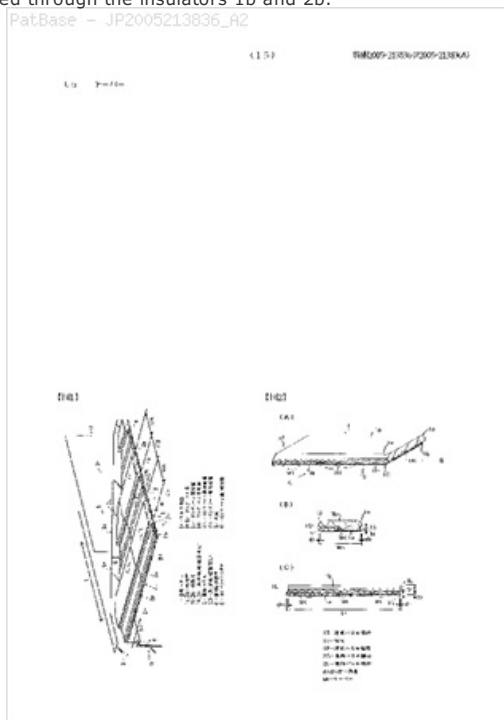
Classifications:

International (IPC 8-9): E04B1/16 E04B5/32

E04B5/43 (Advanced/Invention);

E04B1/16 E04B5/32 E04B5/43 (Core/Invention)

International (IPC 1-7): E04B1/16 E04B5/32 E04B5/43



Family:

Publication number	Publication date	Application number	Application date
JP2005213836 A2	20050811	JP20040020866	20040129
JP3862269 B2	20061227	JP20040020866	20040129

Priority:

JP20040020866 20040129

Probable Assignee: TESUKU KK

Assignee(s): (std): KAMIYA KENCHIKU SEKKEI KK ; TESUKU KK

Inventor(s): (std): IKEBE YOSHIMITSU ; KAMIYA NAOMICHI ; SAKURABA TAKAMITSU

Title: PLATTENKOERPER FUER BAUZWECKE

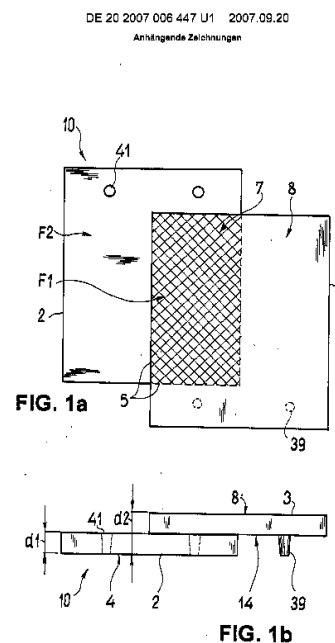
Abstract: Source: DE202007006447U1 (Claim 1) 1. Plattenkoerper (10; 20; 30; 40; 50; 60; 70; 80; 90; 100; 110; 120; 130; 140; 150; 160; 170; 180; 190; 200; 210; 220; 230; 240; 250; 260; 270; 280; 290; 300; 310; 320; 330; 340) fuer Bauzwecke, insbesondere zur Verlegung auf verfestigten Erdboden oder auf Terrassen-, Balkon-, Dach- und Fassadenflaechen, bestehend aus wenigstens zwei uebereinanderliegenden und miteinander wenigstens teilweise flaechig verbundenen Plattenelementen (2; 2.1; 2.2; 2.3; 2.4; 3; 3.1; 3.2; 3.3; 3.4; 3.5; 3.6; 3.7; 3.8; 3.9; 3.10; 3.11; 3.12; 3.13; 3.14; 3.15; 3.16; 3.17; 3.18), von denen wenigstens das eine, dem jeweiligen Untergrund oder Unterkonstruktion zugewandte, erste Plattenelement (2; 2.1; 2.2; 2.3; 2.4) eine auf den Untergrund oder Unterkonstruktion gerichtete Unterseite (4) und das andere, zweite Plattenelement (3; 3.1; 3.2; 3.3; 3.4; 3.5; 3.6; 3.7; 3.8; 3.9; 3.10; 3.11; 3.12; 3.13; 3.14; 3.15; 3.16; 3.17; 3.18) eine Sichtflaeche (8) aufweist, dadurch gekennzeichnet, dass - die Plattenelemente (2; 2.1; 2.2; 2.3; 2.4; 3; 3.1; 3.2; 3.3; 3.4; 3.5; 3.6; 3.7; 3.8; 3.9; 3.10; 3.11; 3.12; 3.13; 3.14; 3.15; 3.16; 3.17; 3.18) ueberlappend und zueinander versetzt angeordnet sind, - das dem jeweiligen Untergrund oder Unterkonstruktion abgewandte, zweite Plattenelement (3; 3.1; 3.2; 3.3; 3.4; 3.5; 3.6; 3.7; 3.8; 3.9; 3.10; 3.11; 3.12; 3.13; 3.14; 3.15; 3.16; 3.17; 3.18) wenigstens einen entlang einer Diagonalen (D) des ersten Plattenelementes (2; 2.1; 2.2; 2.3; 2.4) liegenden Eckbereich (7, 7') abdeckt, welcher Eckbereich (7, 7') eine Flaeche (F1) aufweist, die kleiner als Gesamtflaeche (F2) des ersten Plattenelementes (2; 2.1; 2.2; 2.3; 2.4) ist, - das zweite Plattenelement (3; 3.1; 3.2; 3.3; 3.4; 3.5; 3.6; 3.7; 3.8; 3.9; 3.10; 3.11; 3.12; 3.13; 3.14; 3.15; 3.16; 3.17; 3.18) vor und nach der Verlegung und nach dem Zusammenfuegen mehrerer Plattenkoerper zu einem Wand- oder Bodenbelag (1) oder zu einer Dacheindeckung (33) seine ganze Sichtflaeche (8) beibehaelt, - und das erste Plattenelement (2; 2.1; 2.2; 2.3; 2.4) nach dem Zusammenfuegen mehrerer Plattenkoerper zu dem Wand- oder Bodenbelag (1) bzw. der Dacheindeckung (33) komplett von den zweiten Plattenelementen (3; 3.1; 3.2; 3.3; 3.4; 3.5; 3.6; 3.7; 3.8; 3.9; 3.10; 3.11; 3.12; 3.13; 3.14; 3.15; 3.16; 3.17; 3.18) abgedeckt ist.

Classifications:

International (IPC 8-9): E01C5/00 E04C2/38 E04D1/00 E04D1/02 E04F13/07 E04F13/08 E04F15/00 E04F15/02 (Advanced/Invention); E01C5/00 E04C2/38 E04D1/00 E04D1/02 E04F13/07 E04F13/08 E04F15/00 E04F15/02 (Core/Invention)

CPC: E04F15/02172 E01C2201/12 E01C2201/202 E04D1/12 E04D1/28 E04F13/088 E04F15/02 E04F15/02194 E04F15/041 E04F15/06 E04F15/082 E04F15/105 E04F15/107 E04F15/18 E01C5/001 E01C5/20 E01C11/24 E01C2201/205 E04D1/16 E04D1/205 E04D1/30 E04D2001/309 E04F13/007 E04F13/08 E04F13/0871 E04F13/18 E04F15/181 E04F2203/06 E04F2290/043 E04F15/183 E04F15/187

European: E01C11/24 E01C5/00B E01C5/20 E04D1/12 E04D1/16 E04D1/20W E04D1/28 E04D1/30 E04F13/00B E04F13/08 E04F13/08K E04F13/08N E04F13/18 E04F15/02 E04F15/10 E04F15/18 E04F15/18B P01C201/12 P01C201/20H P01C201/20H2 P04D1/30V P04F203/06 P04F290/04B4



Family:

Publication number	Publication date	Application number	Application date
DE102007054173 A1	20081113	DE200710054173	20071112
DE102007054173 B4	20100218	DE200710054173	20071112
DE102008022157 A1	20081113	DE200810022157	20080505
DE202007006447 U1	20070816	DE200720006447U	20070505
DE202007015854 U1	20080508	DE200720015854U	20071112

Priority:

DE200710021163 20070505 DE200710054173 20071112 DE200720015854U 20071112
DE200810022157 20080505 DE200720006447U 20070505

Probable Assignee:

FLECK OSKAR

Assignee(s): (std):

FLECK OSKAR

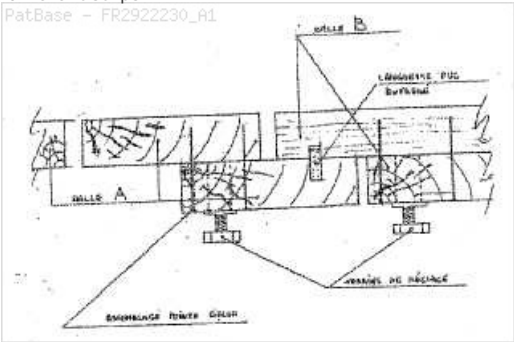
Inventor(s): (std):

FLECK OSKAR

Title: FLOOR COVERING FOR E.G. PATIO, HAS MALE SLABS SUPPORTED ON FEMALE SLABS THAT INCLUDE GROOVE IN PERIPHERY, WHERE MALE SLABS INCLUDE BATTEN AND EDGE THAT DOES NOT EXCEED WHEN MALE SLABS ARE SITUATED ON PERIPHERAL FIELD

Abstract: The covering has slabs (A) i.e. male slabs, supported on slabs (B) i.e. female slabs, where the male slabs include a batten and an edge that does not exceed when the male slabs are situated on a peripheral field. The batten is made of extruded PVC. The female slabs have a groove in periphery, where the female slabs are encased when positioned on the male slabs. The male and female slabs have different dimensions and different strips.

Classifications:
International (IPC 8-9): E01C5/14 E04F15/02 (Advanced/Invention)
CPC: E04F2015/02127 E04F15/02183 E04F15/022 E04F2201/042 E04F2201/0511 E04F15/048 E04F15/045
European: E04F15/022 E04F15/02T1 E04F15/04 E04F15/04E P04F201/04B P04F201/05B



Family:

Publication number	Publication date	Application number	Application date
FR2922230 A1	20090417	FR20070007222	20071016

Priority:

FR20070007222 20071016

Probable Assignee:	LABEAUVIE NADINE
Assignee(s): (std):	LABEAUVIE NADINE
Assignee(s):	NADINE LABEAUVIE
Inventor(s): (std):	LABEAUVIE NADINE
Inventor(s):	NADINE LABEAUVIE
Agent(s):	NADINE LABEAUVIE

Title: SLAB FOR COVERING A FLOOR AND FLOOR MADE UP OF SUCH SLABS

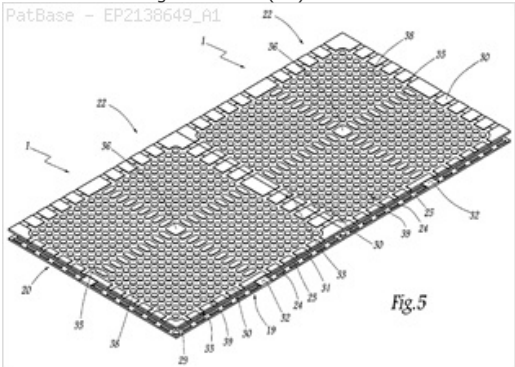
Abstract: The slab (1) has female connection units constituted of a groove and situated on two adjacent cleats that are fixed on a set of edges of the slab. The connection units are oriented towards a smooth upper face of the slab. Male connection units are situated on other adjacent cleats (19, 20) fixed on another set of edges of the slab, and are oriented towards a lower face (22) of the slab, where the face (22) is arranged opposite to the upper face. The male connection units are constituted of a row of regularly spaced reliefs (24) that is arranged parallel to an elongated relief (25).

Classifications:

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

CPC: E04F15/02194 E04F15/105 E04F15/02172

European: E04F15/10



Family:

Publication number	Publication date	Application number	Application date
EP2138649 A1	20091230	EP20090356042	20090624
FR2933114 A1	20100101	FR20080003626	20080627
FR2933114 B1	20130510	FR20080003626	20080627

Priority:

FR20080003626 20080627

Probable Assignee: PLAST NV

Assignee(s): (std): PLAST NV

Assignee(s): NV PLAST

Inventor(s): (std): TROUBAT GEORGES ERIC

Inventor(s): GEORGES ERIC TROUBAT

Agent(s): MYON GERARD JEAN PIERRE; CABINET LAVOIX LYON

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

Title: FLOOR TILES WITH HYBRID INTERLOCKING SYSTEM

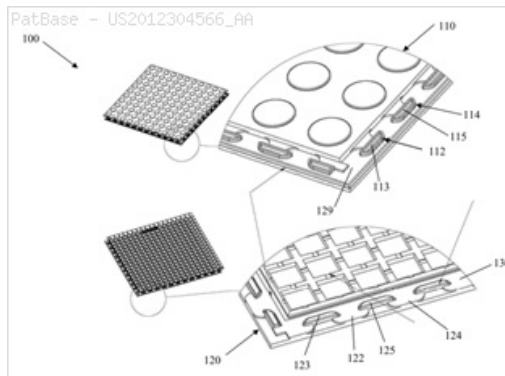
Abstract: Source: US2012304566A A floor tile system for protecting a substrate is described. The system includes two tiles or mats that interlock with one another along numerous axes to provide a tight, high-strength seam. Specifically, the tiles include teeth that interlock with teeth of the other tile in a side-by-side manner. The tiles also include male and female portions that interlock when the tile edges overlap with one another.

Classifications:

International (IPC 8-9): E04B5/02 E04B5/48 E04F15/00 E04F15/02 (Advanced/Invention)

CPC: E04F15/105 E04F15/02016 E04F15/02038 E04F15/02172 E04F2201/0138 E04F2201/035 E04F2201/091 E04F2201/095 E04F2201/098

US: 52/177 52/302.1 52/588.1 52/591.4



Family:

Publication number	Publication date	Application number	Application date
US2012304566 AA	20121206	US20120467775	20120509
US8925264 BB	20150106	US20120467775	20120509

Priority:

US20110484089P 20110509 US20120467775 20120509

Probable Assignee: PARALLAX GROUP INT LLC

Assignee(s): (std): GRIMM JOHN ; PARALLAX GROUP INT LLC ; PARALLAX GROUP INTERNATIONAL LLC ; THRUSH BRUCE

Inventor(s): (std): GRIMM JOHN ; THRUSH BRUCE

Agent(s): FISH AND TSANG LLP