

Search history

Search 1: FT=(Pipe and Coil and Pallet and Skid.) (Results 80)
Search 2: FT=(Pipe and Coil and Pallet and Skid.) and IC=(B65D19/44) (Results 5)

1) Family number: 11698127 (US5355813A)

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Title: Load and roll pallet

Abstract: There is disclosed herein an improved load-and-roll-style pallet for carrying a coil of sheet material, such as sheet steel. The pallet includes a generally rectangular body having a top and a bottom surface, a front and a back, and a pair of sides. A coil-receiving well or depression is provided in the top surface and extends between the front and back ends for cooperating in restraining the coil. Various fittings, straps and chains are used to further secure the coil to the pallet. Tubular structures on either side of the well that extend between the front and back end and open to the back end define a pair of forklift tine-receiving or lift-receiving pockets that straddle the depression and can be used to lift the pallet. The pallet can be lifted and tilted so that the bottom surface is lifted and the rollers engage the surface on which the pallet is rolled to position.

Classifications:

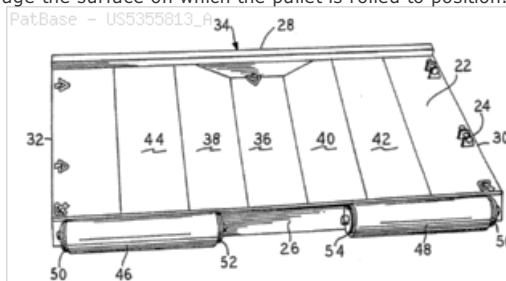
International (IPC 8-9): B65D19/42 B65D19/44 (Advanced/Invention);
B65D19/38 (Core/Invention)

International (IPC 1-7): B65D19/44

CPC: B65D19/42 B65D19/44

European: B65D19/42 B65D19/44

US: 108/55.3 108/553



Family:

Publication number	Publication date	Application number	Application date
US5355813 A	19941018	US19930116588	19930907

Priority:

US19930116588 19930907

Probable Assignee: CMI FREIGHT TRANS INC
Assignee(s): (std): C M I FREIGHT TRANS INC
Assignee(s): CMI FREIGHT TRANS INC
Inventor(s): (std): DARNELL JAMES R ; DEFALCO RALPH

2) Family number: 18910175 (US4976365A)

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Title: PALLET AND CONTAINER INTEGRATED WITH PALLET

Abstract: A pallet which comprises a four sided platform with forklift tine receiving channels disposed at each side of the platform is disclosed. Horizontal surface engaging wheels are disposed on the bottom of the platform for supporting the platform and for enabling the platform to be moved along a horizontal surface. Vertical surface engaging rollers are disposed on the first and the third sides of the platform for preventing frictional engagement of the first and the second sides of the platform with a vertical surface. An automatic connecting and retracting means is positioned at the second side of the platform for enabling the automatic retraction of the connecting and retracting device upon contact of the device with a wall. A coupling apparatus is positioned at the fourth side of the platform for enabling an interconnection of the platform with a second platform having the automatic connecting and retracting device operatively positioned thereon to interconnect with the coupling structure of the platform upon contact with the automatic connecting and retracting device of the second platform to thereafter enable simultaneous movement of the platforms along the horizontal plane.

Classifications:

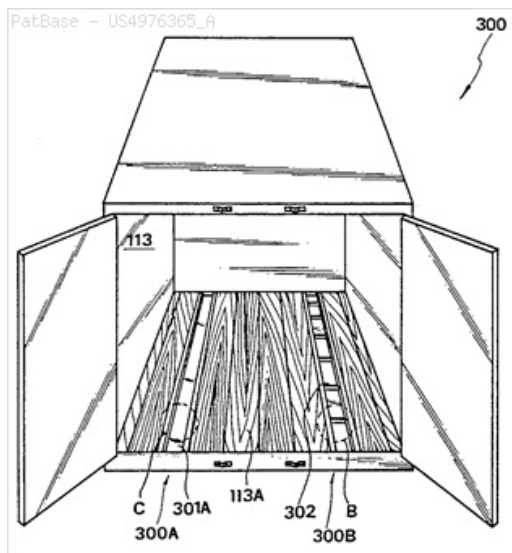
International (IPC 8-9): B65D88/12 B65D90/16 (Advanced/Invention);
B65D88/00 B65D90/12 (Core/Invention)

International (IPC 1-7): B65D19/02 B65D19/38 B65D19/42
B65D19/44 B65D88/00

CPC: B65D88/129 B65D90/16

European: B65D88/12F B65D90/16

US: 108/51.1 108/55.1 108/57.15 108/64 206/386 206/598 220/1.5
220/23.4



Family:

Publication number	Publication date	Application number	Application date
GB2247664 A1	19920311	GB19900019385	19900905
GB2247664 B2	19940629	GB19900019385	19900905
GB9019385 A0	19901017	GB19900019385	19900905
KR19910004433 A	19910328	KR19890011215	19890807
KR920001714 B1	19920224	KR19890011215	19890807
US4976365 A	19901211	US19890435606	19891113

Priority:

KR19890011215 19890807 GB19900019385 19900905

Probable Assignee: SEO DONG J

Assignee(s): (std): SEO DONG J ; SEO DONG JIN ; SUH DONG JIN

Assignee(s): DONG JIN SEO

Inventor(s): (std): SEO DONG J ; SUH DONG JIN ; SEO DONG JIN

Inventor(s): DONG JIN SEO

3) Family number: 28096542 (US2001029874A)

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Title: THERMOFORMED PLATFORM

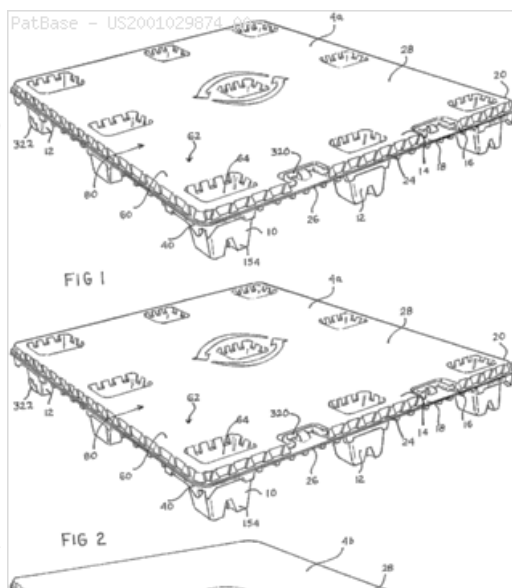
Abstract: Articles constructed of a plurality of scuffed sheets have improved sheet-to-sheet bond strength and surfaces with high coefficients of friction. Articles constructed out of three scuffed sheets include exterior intumescent polymeric surfaces resisting the spread of combustion flames and insulating the interior surfaces from the high temperature of fire. Articles include electronic apparatus sending an emergency 911 call to a remote monitoring station. Articles are advantageously reinforced with optional rigidifying structures without article modification. Members are joined with snap together features providing an assembled article. Articles include handles for ergonomic manipulation by workers. Articles include elements amenable receiving unitization accessories. The article improvements are demonstrated in the form of industrial platforms, particularly material handling pallets.

Classifications:

International (IPC 8-9): B23P17/00 B29C47/02 B29C47/78 B29C51/26 B29C65/02 B29C67/00 B32B41/00 B65D19/00 B65D19/38 B65D19/44 C08K3/00 C08K3/28 C08K3/38 C08K5/00 C08K5/1515 C08K5/3492 C08K5/49 C08K5/521 C08L23/00 C08L23/06 C08L23/08 C09K21/10 C09K21/14 G06F21/00 G06F21/24 G06K19/067 G06K19/077 G06K7/00 G06Q10/06 G06Q50/28 G08B1/08 G08B13/14 G08B13/24 G08B26/00 H01Q1/22 H01Q21/24 H01Q21/28 H04W4/02 (Advanced/Invention); H04W88/06 (Advanced/Non-invention); B65D19/00 B65D19/38 C08K3/00 C08K5/00 C08L23/00 C09K21/00 G08B13/14 G08B13/24 G08B26/00 (Core/Invention)

International (IPC 1-7): B65D19/00 B65D19/12 B65D19/16 B65D19/38 C08K3/00 C08K3/38 C08K5/00 C08K5/29 C08K5/49 C08L23/06 C08L23/08 C09K21/00 C09K21/14 G08B1/08 G08B13/14 G08B21/00 G08B26/00

CPC: B65D2519/00039 B65D2519/00044 B65D2519/00074 B65D2519/00079 B65D2519/00278 B65D2519/00308 B65D2519/00343 B65D2519/00363 C08K3/22 C08K3/2279 C08K3/38 C08K9/04 C08L23/06 C08L23/08 C09K21/10 C09K21/14 B65D19/0014 B65D19/0012 B65D2519/00348 B65D2519/00467 B65D2519/00472 B65D2519/0086 Y10S108/901 B29C51/162 B29C66/96 B29C2791/001 B65D2519/00268 B29C66/53246 B29C65/028 B29L2009/00 B29L2031/7172 B60K15/03177 B60K15/073 B60K15/077 B60K2015/03111 B60K2015/03401 B60K2015/0775 F02M37/0011 B29C66/543 B29C66/545 B29C66/542 B65D19/0018 B29C51/02 B29C51/12 B29C51/46 B29C66/54 B29C2049/2497 B29L2017/00 B29L2031/7126 B29L2031/7178 B65D2519/00288 B65D2519/00318 B65D2519/00338 B65D2519/00407 B65D2519/00412 B65D2519/00557 B65D2519/0094 G01D21/02 G06Q10/087 B29C66/4722 B29C66/433 B29C66/83411 Y10T156/1049 Y10T156/1051 Y10T156/1062 Y10T156/109 Y10T156/1734 G06Q10/0631 G06Q50/28 H04W88/06 B29C66/9672 B29C66/7254 B29C65/18 B29C65/02 B65D2203/10 B65D2519/00034 B65D2519/00069 B65D2519/00139 B65D2519/00273 B65D2519/00293 B65D2519/00303 B65D2519/00323 B65D2519/00333 B65D2519/00437 B65D2519/00442 B65D2519/00562 B65D2519/00567 B65D19/38 B65D19/0016 B65D2519/00358 G06K19/07758 G06K19/07792 G08B13/2474 H01Q1/2225 H01Q21/24 H01Q21/28



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700/215 705/7.12

Family:

Publication number	Publication date	Application number	Application date
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Priority:

US20000177382P	20000124	US20000177383P	20000124	US20000196127P	20000411
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US20140526025	20141028				

Probable Assignee: NEXTREME LLC

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Assignee(s): NEXTREME LLC R ; NEXTREME LLC BOX ; NANO ENER INC ; WILMINGTON TRUST NATIONAL ASSOCIATION ; MUIRHEAD SCOTT AW ; DELPHI TECHNOLOGIES INC ; BZINFIN SA ; ENER1 INC ; ENERFUEL INC

Inventor(s): (std): MUIRHEAD SCOTT A W ; MUIRHEAD SCOTT ARTHUR WILLIAM ; ABU ISA ISMAT A ; ABU ISA ISMAT ALI ; MUIRHEAD SCOTT A ; MUIRHEAD SCOTT

Inventor(s): MUIRHEAD SCOTT AUTHUR WILLIAM ; MUIRHEAD SCOTT AW ; SCOTT ARTHUR WILLIAM MUIRHEAD ; SCOTT A W MUIRHEAD ; ABU ISA ISMAT

Agent(s): MCDONOUGH JONATHAN; JIMMY L FUNKE DELPHI TECHNOLOGIES INC; PRICE AND ADAMS PC; PRICE AND ADAMS; HOWARD AND HOWARD ATTORNEYS PC; HARNESS DICKEY AND PIERCE PLC

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

4) Family number: 21705652 (US6379107B)

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Title: METHOD OF INTRODUCING HEAVY ARTICLE AND METHOD OF DISCHARGING HEAVY ARTICLE

Abstract: A method of introducing/discharging a heavy article is provided that allows for introducing and/or discharging a coil-shape heavy article to and from a transporting receptacle. The method includes utilizing a pallet, a stage, and a carrying vehicle to introduce/discharge the coil-shape heavy article. A coil-shape heavy article is secured to the pallet using a securing member and is transported, while secured to the pallet, between the stage, which is secured to the transporting receptacle, and the transporting receptacle. The stage includes a table having a height that is adjustable relative the floor surface of the transporting receptacle. Movement of the pallet between the stage and the transporting receptacle is performed by levitating a support frame of the carrying vehicle on which the pallet has been positioned using a controllable discharge of gas exiting from exhaust nozzles of the carrying vehicle.

Classifications:

International (ipc 8-9): B60P7/12 B60V3/04 B65D B65D19/44 B65D85/66 B65G B65G1/12 B65G67/02 B65G69/24 B65G7/06 (Advanced/Invention); B60P7/12 B60V3/04 B65G1/12 B65G7/06 (Advanced/Non-invention); B60P7/06 B60V3/00 B65D19/38 B65D85/66 B65G67/02 B65G69/00 B65G7/00 (Core/Invention); B60P7/06 B60V3/00 B65G7/00 (Core/Non-invention); B65D B65G (Subclass/Invention)

International (ipc 1-7): B60P7/12 B60V3/04 B65D B65D19/44 B65D85/66 B65G B65G1/12 B65G6/704 B65G67/02 B65G67/04 B65G69/24 B65G7/06

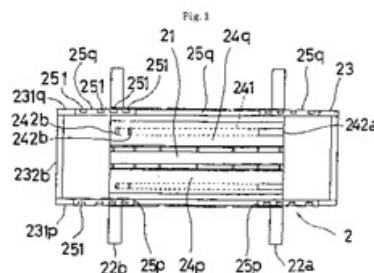
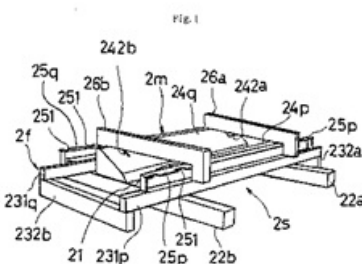
CPC: Y10S414/124 B65D85/66 B65D19/44

European: B65D19/44 B65D85/66

US: 108/55.3 180/125 414/396 414/809 414/911

PatBase - US6379107_BA

U.S. Patent Apr. 30, 2002 Sheet 1 of 37 US 6,379,107 B1



Family:

Publication number	Publication date	Application number	Application date
AT296762 E	20050615	AT19990201116T	19990329
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Priority:

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Probable Assignee: TOYOTA STEEL CENTER CO LTD

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Assignee(s): TOYOTA STEEL CENTER CO LTD 33 4 SHINPO CHO TOKAI SHI AICHI JAPAN ; TOYOTA STEEL CENTER CO

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Agent(s): P C WOO AND CO ROOM 1225 PRINCE S BUILDING 10 CHATER ROAD CENTRAL HONG KONG; KOJIMA SEIJI; MORGAN LEWIS AND BOCKIUS LLP

Designated states: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

5) Family number: 11153666 (US5809906A)

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Title: Stringerless pallet having adjustable deckboards

Abstract: A shipping pallet is manufactured from steel plate for the transport of loads which are to be confined on the load-carrying surface without banding the load. The pallet is formed without stringers, instead using a unitized base constructed from multiple sections of channel stock to form a rectangular grid, and welding an imperforate rectangular sheet of steel onto the tops of the channels sections. The sheet of steel reinforces the grid and provides a support surface (deck member) on which locating pins rest. The locating pins are thrust through coaxially aligned perforations in the upper and lower decks of twin-decked deckboards which are slidably adjustable in a pair of C-channels, or, on rails, disposed on opposite sides of the support surface. The locating pins thus confine the load, for example, a stack of sheet metal blanks of arbitrary shape which can be stacked to the height of the locating pins. The adjustable deckboards and multiplicity of perforations therein permit placing locating pins precisely at the periphery of the load, confining it without permitting it movement in the horizontal plane. Through-perforations in the upper and lower surfaces of the deckboards allow locating pins to be inserted so as to rest on the deck member, avoiding the use of detent members to secure the pins in the perforations.

Classifications:

International (IPC 8-9): B65D19/00 B65D19/38
B65D19/44 (Advanced/Invention)

International (IPC 1-7): B65D19/44

CPC: B65D19/0091 B65D19/385 B65D19/44 B65D2519/00024

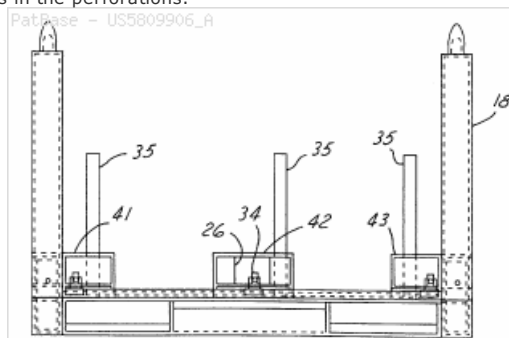
B65D2519/00059 B65D2519/00273 B65D2519/00288

B65D2519/00323 B65D2519/00333 B65D2519/00442

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