



(12) **EUROPEAN PATENT APPLICATION**

(43) Date of publication:
06.01.2010 Bulletin 2010/01

(51) Int Cl.:
B65D 19/44 (2006.01)

(21) Application number: **09163732.2**

(22) Date of filing: **25.06.2009**

(84) Designated Contracting States:
AT 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 SE SI SK TR

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(30) Priority: **04.07.2008 NL 2001761**

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(54) **Transport pallet for fences**

(57) A transport pallet 1 has a platform 5 comprised of tubes 3, which platform 5 has a top side 7 and a bottom side 9 located opposite thereto. Upright pins 13 are present at a first edge 11 of the platform. The pins 13 are situated in two rows 15 and 17 which are distant from each other while the pins are alternately situated in one row and the other.

event fences. These fences 19 have two tube columns 21 and 23 which are distant from each other and have in between a wire mesh 25 and can be positioned with a tube 23 over a pin 13, so that they are placed in the transport pallet in an upright, stable manner. The columns 23 of the fences are placed on the transport pallet in a staggered manner relative to each other so that the fences are partly nested on the transport pallet.

The transport pallet 1 is intended for transporting

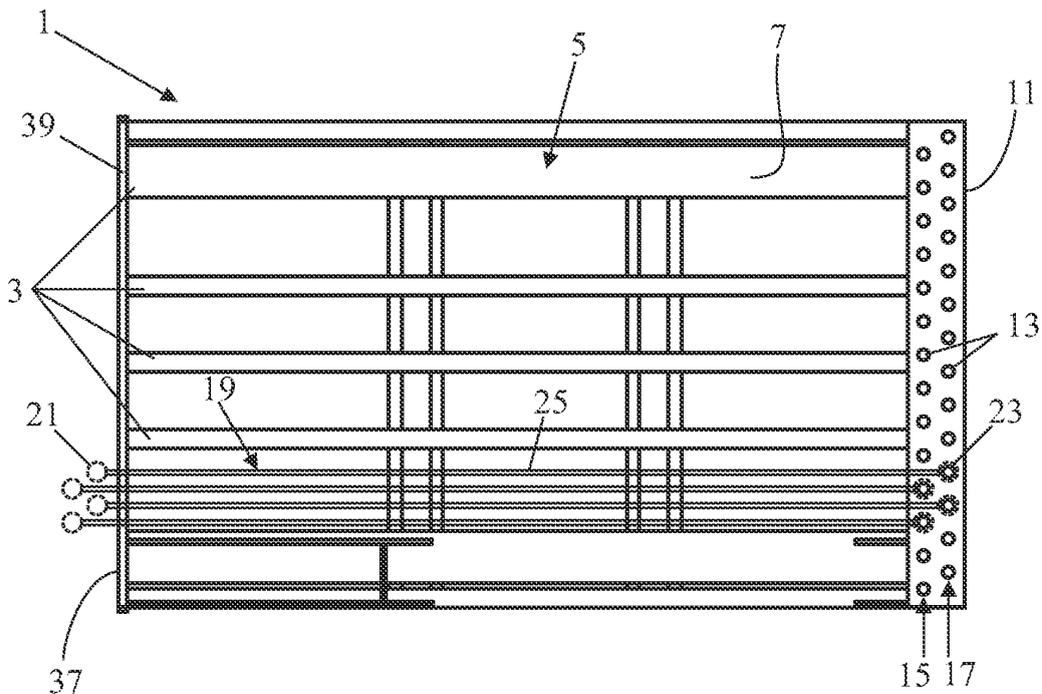


FIG. 1

Description

Field of the invention.

[0001] The present invention relates to a transport pallet for fences which comprise two tube columns present at a distance from each other with wire mesh in between, which transport pallet comprises a platform which has a top side and a bottom side opposite to it, where near a first edge of the platform upright pins are present on the top side, which pins are positioned with spacings in a direction parallel to the first edge.

[0002] The invention more particularly relates to a transport pallet for portable construction-site and event fences which are erected for crowd control at events and for construction sites and are removed again after a period of rent. The columns are generally connected to each other by means of an upper and a lower horizontal tube with a wired mesh extending between the thus formed rectangle-shaped tube frame. The tubes of the columns are open at the bottom and can be moved over upright pins on the fencing bases. After an event has ended the fences are to be transported to a next event or to a storage space.

State of the art.

[0003] A transport pallet of this type is known from EP-A-0858953. The fences are placed against each other on the transport pallet while the tubes of the columns are pushed with their open bottom ends over the upright pins.

Summary of the invention.

[0004] It is an object of the invention to provide a transport pallet of the type defined in the opening paragraph which can accommodate more fences. To this end the transport pallet according to the invention is **characterised in that** the pins are arranged in two rows at a distance from each other and parallel to the first edge while from one end of the edge to the other end of the edge the pins are alternately present in one row and in the other. As a result, the columns of the fences can be placed on the transport pallet in a staggered fashion, so that the fences are placed on the transport pallet partly nested.

[0005] For properly transporting transport pallets a further embodiment of the transport pallet according to the invention is **characterised in that** the end faces of the free ends of the pins in one row are found to be in a plane that is at an angle to a further plane in which the end faces of the pins in the other row are found and the underside of the platform has a profile that extends near the first edge and runs parallel thereto, which profile has faces which, when two transport pallets are stacked, cooperate with the end faces of the pins. Preferably the two faces are V-shaped in sectional view.

[0006] Furthermore, preferably near a further edge of

the platform situated opposite to the first edge there is a support bracket extending parallel to the further edge, for which the distance between the support bracket and the pins is smaller than the distance between the tubes of a fence. After being placed on the transport pallet the fences rest with an under edge on the support bracket.

Brief description of the drawings.

[0007] The following description relating to the appended drawings, the whole given by way of non-limiting example of the transport pallet according to the invention, will provide better understanding of how the invention can be realised, in which:

Fig. 1 shows a plan view of an embodiment of the transport pallet according to the invention; and Fig. 2 shows a side view of the transport pallet.

Detailed description of the drawings

[0008] Fig. 1 shows a plan view of an embodiment of the transport pallet according to the invention. The transport pallet 1 has a platform 5 comprised of tubes 3 having a top side 7 and a bottom side 9 opposite thereto. Near a first edge 11 of the platform there are upright pins 13 present on the top side, which pins extend in a direction parallel to the edge and are spaced from each other. The pins 13 are located in two rows 15 and 17 spaced from each other and running parallel to the first edge, whereby from one end of the edge to the other the pins are located alternately in one row and the other.

[0009] The transport pallet 1 is intended for transporting construction-site and event fences. These fences 19 have two tube-shaped stands 21 and 23 spaced from each other and a wire mesh 25 in between the two and can be pushed with a tube 23 over a pin 13 so that they are placed upright on the transport pallet in a stable manner. The columns 23 of the fences can be placed on the transport pallet in a staggered way, so that the fences are present on the transport pallet partly in a nested way.

[0010] For properly transporting empty transport pallets 1 the end faces 27 of the free ends of the pins in the one row 15 are located in a plane that is positioned at an angle to a further plane in which the end faces 29 of the pins in the other row 17 are positioned, see Fig. 2, while the underside 9 of the platform 5 has a profile 31 which extends close to and parallel to the edge 11. The profile 31 is provided with faces 33 and 35 which, when two transport pallets are stacked together, cooperate with the end faces 27 and 29 of the pins. The two faces 33 and 35 are present in a V shape.

[0011] Close to a further platform edge 37 lying opposite the edge 11 there is a support bracket 39 extending parallel to the further edge 37. The distance between the support bracket 39 and the pins 13 is smaller than the distance between the tubes 21 and 23 of a fence. After being placed on the transport pallet the fences 19 rest

with a bottom edge 41 on the support bracket.

[0012] Albeit the invention has been described in the foregoing based on the drawings, it should be observed that the invention is not by any manner or means restricted to the embodiment shown in the drawings. The invention also extends to all embodiments deviating from the embodiment shown in the drawings within the spirit and scope defined by the claims.

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Claims

1. A transport pallet for fences which comprise two tube columns present at a distance from each other with wire mesh in between, which transport pallet comprises a platform which has a top side and a bottom side opposite to it, where near a first edge of the platform upright pins are present on the top side, which pins are positioned with spacings in a direction parallel to the first edge, **characterised in that** the pins are arranged in two rows at a distance from each other and parallel to the first edge while from one end of the edge to the other end of the edge the pins are alternately present in one row and the other.
2. A transport pallet as claimed in claim 1, **characterised in that** the end faces of the free ends of the pins in one row are found to be in a plane that is at an angle to a further plane in which the end faces of the pins in the other row are found and the under side of the platform has a profile that extends near the first edge and runs parallel thereto, which profile has faces which, when two transport pallets are stacked, cooperate with the end faces of the pins.
3. A transport pallet as claimed in claim 2, **characterised in that** the two faces seen in cross section are present in a V shape.
4. A transport pallet as claimed in any one of the preceding claims, **characterised in that** near a further edge of the platform lying opposite to the first edge there is a support bracket extending parallel to the further edge while the distance between the support bracket and the pins is smaller than the distance between the tubes of a fence.

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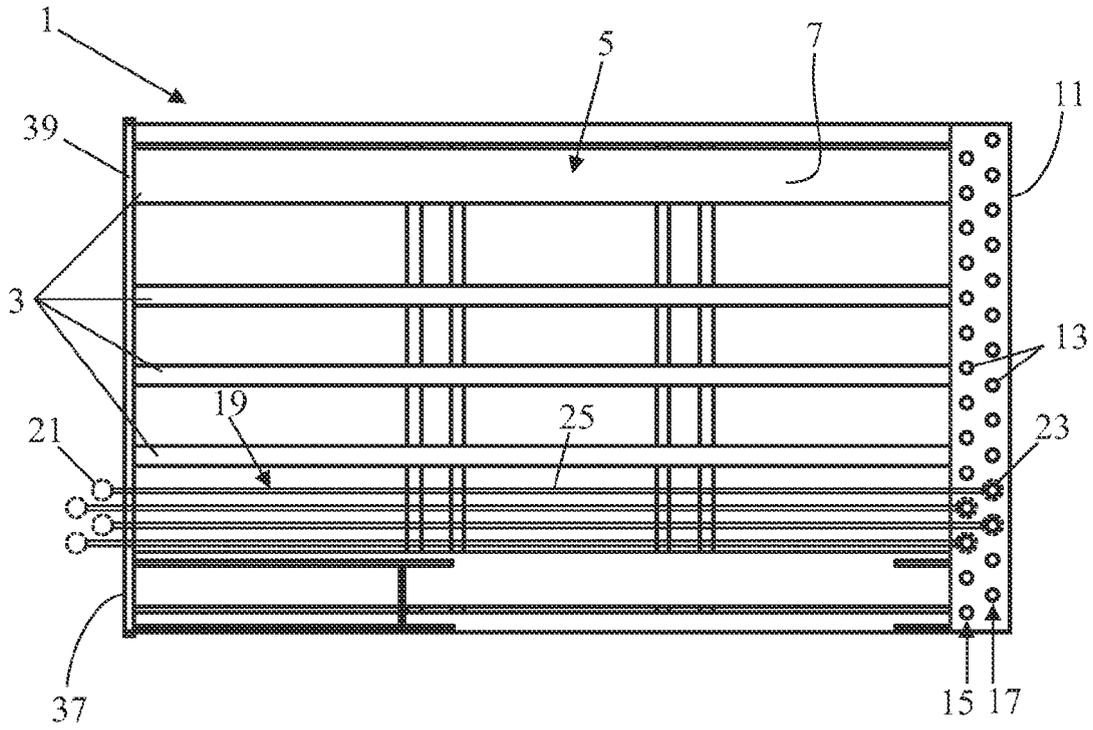


FIG. 1

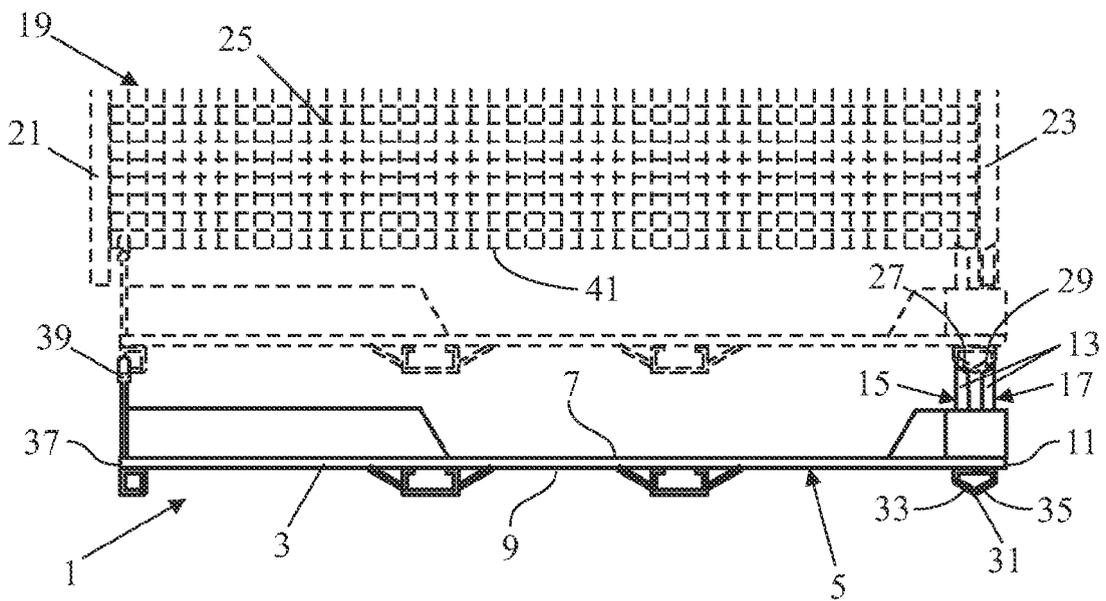


FIG. 2



EUROPEAN SEARCH REPORT

Application Number
EP 09 16 3732

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	EP 0 858 953 A (RICHTERICH MICHAEL HUBERTUS [DE]) 19 August 1998 (1998-08-19) * the whole document *	1-4	INV. B65D19/44
A	DE 89 13 014 U1 (HAGEDORN, HARALD, 6203 HOCHHEIM, DE; FIEDLER, HARALD, 6050 OFFENBACH,) 15 February 1990 (1990-02-15) * page 3, paragraphs 1,3 * * page 5, paragraph 4 - page 6, paragraph 2 * * figure * *	1-4	
A	DE 10 2005 020465 A1 (B & F BAUMASCHINEN UND FACTORI [CH]) 9 November 2006 (2006-11-09) * paragraphs [0007], [0021], [0038]; figures 2,6 *	1-4	
A	DE 202 02 758 U1 (B & F BAUMASCHINEN UND FACTORI [CH]) 21 November 2002 (2002-11-21) * page 6, paragraph 4 - page 7, paragraph 1 * * page 8, paragraph 9 - page 10, paragraph 2 * * figures 1-5 *	3	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC) B65D
Place of search The Hague		Date of completion of the search 7 August 2009	Examiner Leijten, René
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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EPO FORM 1503 03.82 (P04G01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 09 16 3732

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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07-08-2009

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DE 8913014 U1	15-02-1990	NONE	

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REFERENCES CITED IN THE DESCRIPTION

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Patent documents cited in the description

- EP 0858953 A [0003]