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(54) **Modular and variable sized plastic pallet**

(57) Plastic pallet made of individual and independent modules without welds, whose assembly is manual

and adapted to the more convenient dimensions in multiple or sub-multiple.

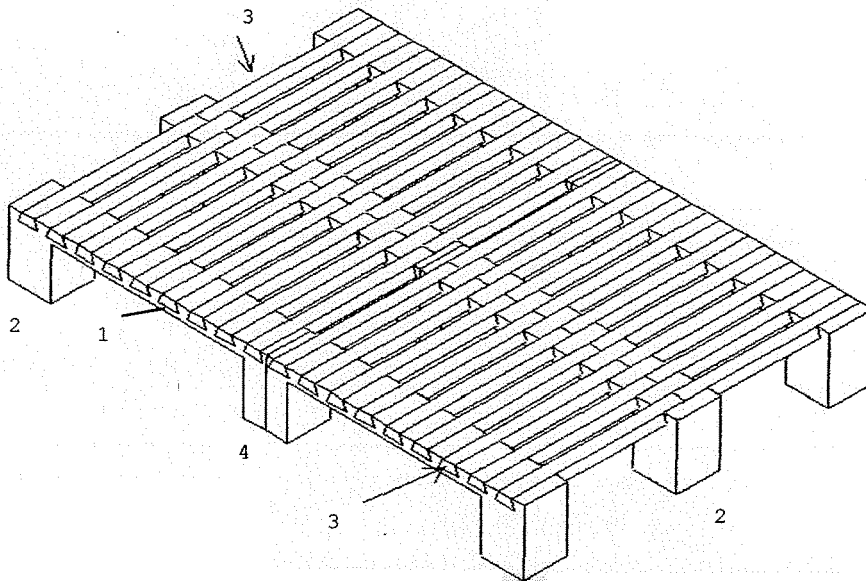


Fig 1

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Description

[0001] In the state of art, pallets or support loads of various dimensions and various material which, despite its texture and constitution only present, one kind of shape but may be made with various dimensions and supporting various loads. The invention here presented adds to the state of art the fact that a piece modular, not be rigid nor preched and able to permit all the dimensions and all the loads that you wish. This is a plastic pallet, which is, essentially, consisting of two types of pieces (1 and 3) fitted and adjusted by mortise. The piece (1) consisting of the items (2 and 4) represent the support of the transverse piece (3). The piece (1) has a depression and the piece (3) has, on the lower of their extremities, the suppression which fits in depression of the piece (1) to ensure the setting of both. The piece (1) has, alternately, a positive suppression and a negative mortise which joins together in the area (4) may, therefore, multiply the dimensions of lateral sides. We can verify that the piece (3) has a pyramidal trunk configuration that will prevent the inserts deployed in support of piece (1), thus impeding movement forces perpendiculars upwards. When spaced, with intervals higher or lower, form the basis of support load on the pallet. Any of the pieces (1 and 3) can be easily replaced. Any of the parts referred may be made in the same colors, or in different color.

that the piece (3) has in each extremity a small suppression that fits in a small depression existing in the piece (1) to ensure the mortise.

- 5 4. Modular and Multidimensional Plastic Pallet, in accordance with the claim 1, characterized to be a pallet modular and multidimensional made resistant plastic material resistant to compression and by possess reinforcements that assure a better resistance to twisting and compression.
- 10
- 15 5. Modular and Multidimensional Plastic Pallet, in accordance with the claim 1, **characterized by** a pallet modular and multidimensional always recoverable even if it could damage, individually, any of its components.
- 20
- 25 6. Modular and Multidimensional Plastic Pallet, according to the claim 1, **characterized by** a pallet modular and multidimensional and in accordance with point 5, to have an unlimited longevity.

Claims

- 30 1. Modular and Multidimensional Plastic Pallet, pallet with normal function of support, housing and transport of cargo and cargo characteristics modular **characterized by** be in plastic - recycled or not -, consisting of parts of support modulation spline (3) and can adapt if the multiple dimensions to transverse and by traverse independent loose support (1), with skids (2), sleepers which can be nested in longitudinal direction (4) by mortise positive and negative, which together to create a crosspiece following support feet end (4), here represented by two half skids joints, **characterized by** possess a system of fixing in the process of hampering anti glide and reinforced inwardly by lamellae to bearing the loads expectable; characterized to be easily dismantled and, on the other hand, they also can be made in several colors.
- 35
- 40
- 45 2. Modular and Multidimensional Plastic Pallet, in accordance with the claim 1, characterized to be made by the junction of modules and acquire various dimensions as the addition of these modules.
- 50
- 55 3. Modular and Multidimensional Plastic Pallet, in accordance with the claim 1, characterized to be a modular and multidimensional pallet and possess independent parts (1 and 3) mortise, without welds, and

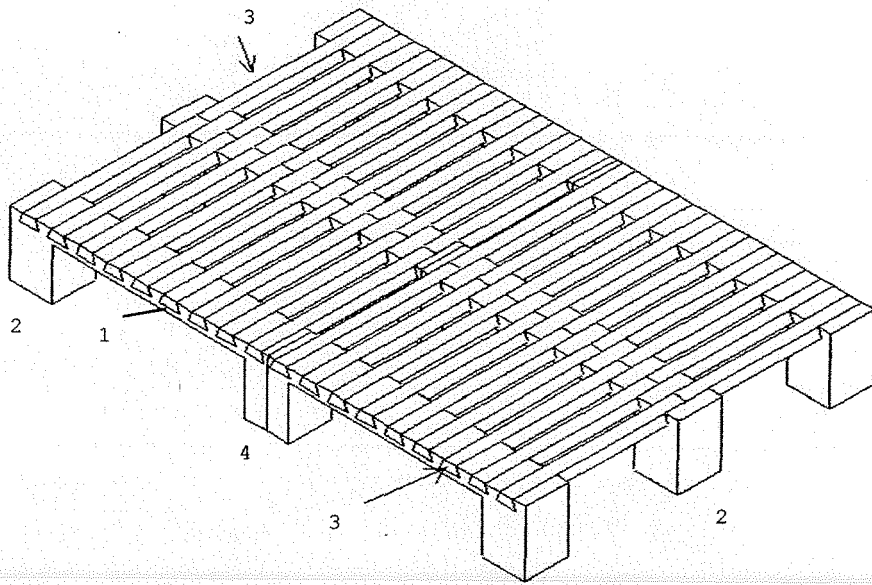


Fig 1

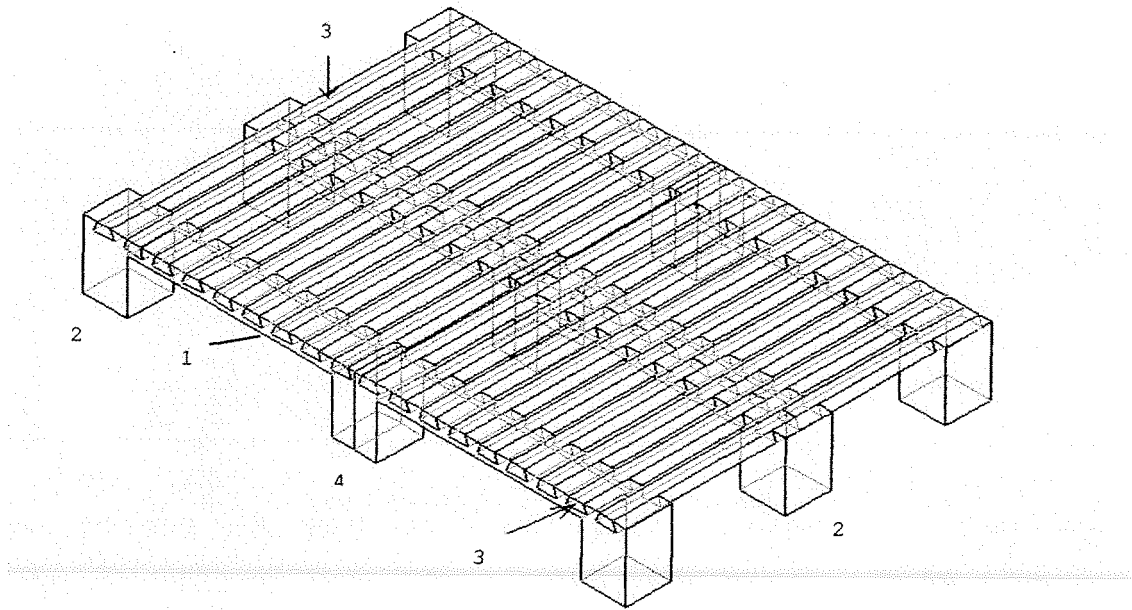


Fig 2

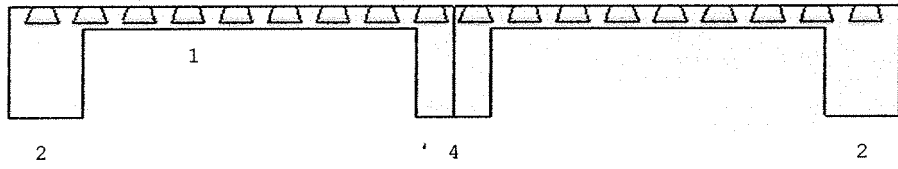


Fig 3

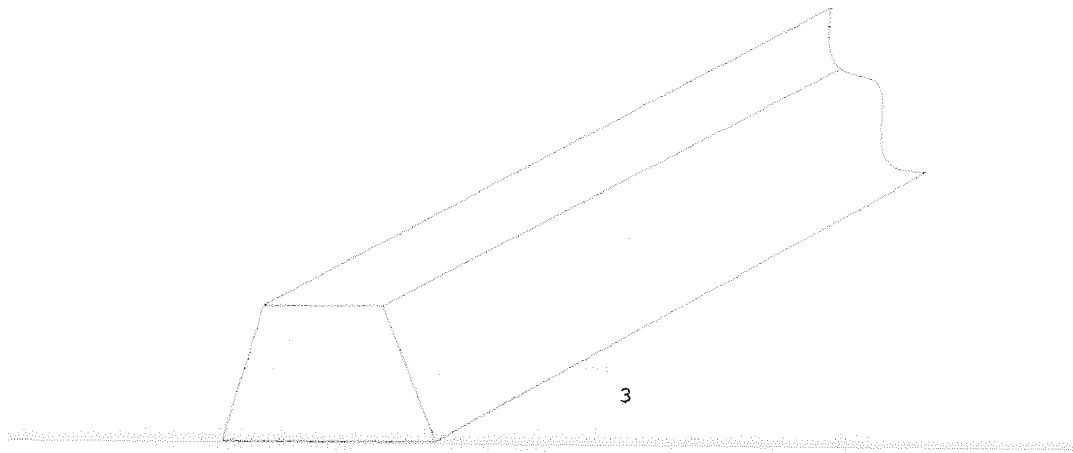


Fig 4

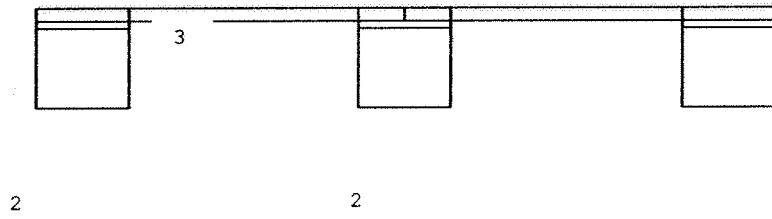


Fig 5



EUROPEAN SEARCH REPORT

Application Number
EP 10 39 8004

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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 14 February 2011	Examiner Fitterer, Johann
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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ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 10 39 8004

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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