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(11)

EP 2 868 618 A1

(12)

EUROPEAN PATENT APPLICATION

(43) Date of publication:
06.05.2015 Bulletin 2015/19

(51) Int Cl.:
B66F 7/28 (2006.01) B25H 1/00 (2006.01)

(21) Application number: **14191115.6**

(22) Date of filing: **30.10.2014**

(84) Designated Contracting States:
**AL 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 RS SE SI SK SM TR**
Designated Extension States:
BA ME

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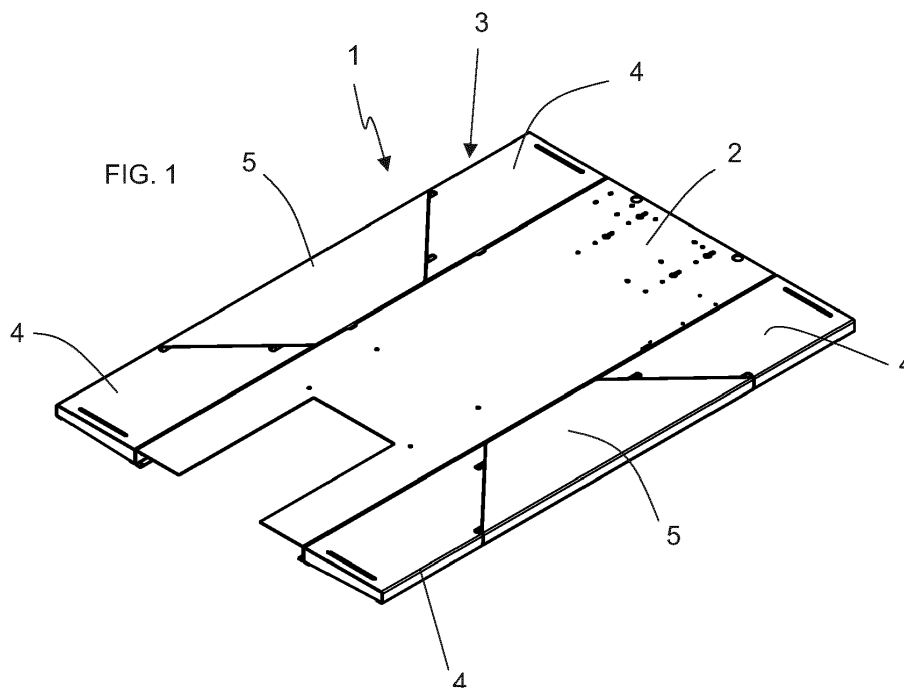
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(30) Priority: **31.10.2013 IT PR20130019 U**

(54) **Bed with widening wings for lifting devices of motorcycles and quad bikes**

(57) The invention falls in the field of hoists for the maintenance of motorcycles and quad bikes. The hoist is of the type that provides for a central bed [2] with two widening wings [3] so as to be used both for motorcycles and quad bikes. Under the central bed, members are provided for hoisting the bed itself. Each of the two wid-

ening wings [3] is constituted by three beds including two fixed beds [4] and one tilting bed [5] arranged between the fixed beds. When the tilting bed is tilted downwards, the operator may approach the central bed so as to better operate. Means are provided for locking the tilting bed to the two fixed beds.



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Description

[0001] A bed with widening wings for hoists of motor-cycles and quad bikes forms an object of the present invention.

[0002] Hoists are known that provide for a central bed, under which hoisting members of the known type are fixed.

[0003] In order to use the hoist for the maintenance of the quad bikes, two lateral widening beds are fixed to the central bed; such beds have the drawback of moving the maintenance man away from given areas of the machine supported by the hoist.

[0004] Thus, given operations are difficult to execute or they can be executed using other types of much more expensive hoists.

[0005] An object of the present invention is to overcome the aforementioned problem and thus allow the operator to arrive as close to the area of intervention as possible.

[0006] Said object is obtained through the bed with widening wings for hoists of motorcycles and quad bikes, subject of the present invention, which is characterised by the fact that each widening wing provides for three beds including two fixed beds and one tilting bed arranged between the fixed beds.

[0007] This and other characteristics shall be more apparent from the following description of an embodiment illustrated, purely by way of non-limiting example, in the attached drawings wherein:

figure 1 illustrates the bed in a perspective view in a first operating position;

figure 2 illustrates the bed in the same perspective view in a second operating position;

figures 3 and 4 illustrate the details forming the widening wings in a perspective view;

figure 5 illustrates a detail of a widening wing.

[0008] With particular reference to figure 1, a sheet-metal bed was indicated in its entirety with 1; such sheet-metal bed consists of a central bed 2, to which two beds or lateral widening wings 3 are fixed.

[0009] Each widening wing 3 provides for three sheet-metal beds including two fixed beds, indicated with 4, and one tilting bed indicated with 5 and which is arranged between the fixed beds.

[0010] In the illustrated example, the fixed beds are right trapezoid-shaped, while the tilting bed is isosceles trapezoid-shaped; all the shapes provide for stiffening ribs both for fixing the fixed beds 4 to the central bed 2 and for fixing the tilting beds 5 to the fixed beds 4.

[0011] With reference to figures 3 and 4, the ribs of the fixed beds 4 provide for - on the oblique side - shaped slots 6 in which pins 7 for rotating the tilting bed are inserted.

[0012] The shaped slots allow moving the tilting bed away from the central bed during the step of rotation

around the pin 7.

[0013] Means for engaging and locking the tilting bed to the fixed beds 4 are indicated with 8 and 9.

[0014] As observable in figure 2, when the tilting beds are folded downwards, a compartment is created where an operator can stay so he can approach the controlling means.

[0015] Of course, the tilting bed and the fixed beds that form the two widening wings may also be shaped differently with respect to the shapes described above.

Claims

1. Bed with widening wings for hoists of motorcycles and quad bikes of the type comprising a central bed and two lateral beds or widening wings, **characterised in that** each lateral bed or widening wing provides for three beds including two fixed beds (4) and one tilting bed (5) arranged between the fixed beds.
2. Bed according to claim 1 **characterised in that** the two fixed beds (4) are equivalent and are right trapezoid-shaped and the tilting bed (5) is isosceles trapezoid-shaped.
3. Bed according to claim 1 **characterised in that** means are provided for locking the tilting bed to the two fixed beds when the tilting bed is in a horizontal position coplanar to the central bed.
4. Bed according to claim 1 **characterised in that** the tilting bed provides for a rotation pin (7) which is inserted into a shaped slot (6) of the fixed bed (4).

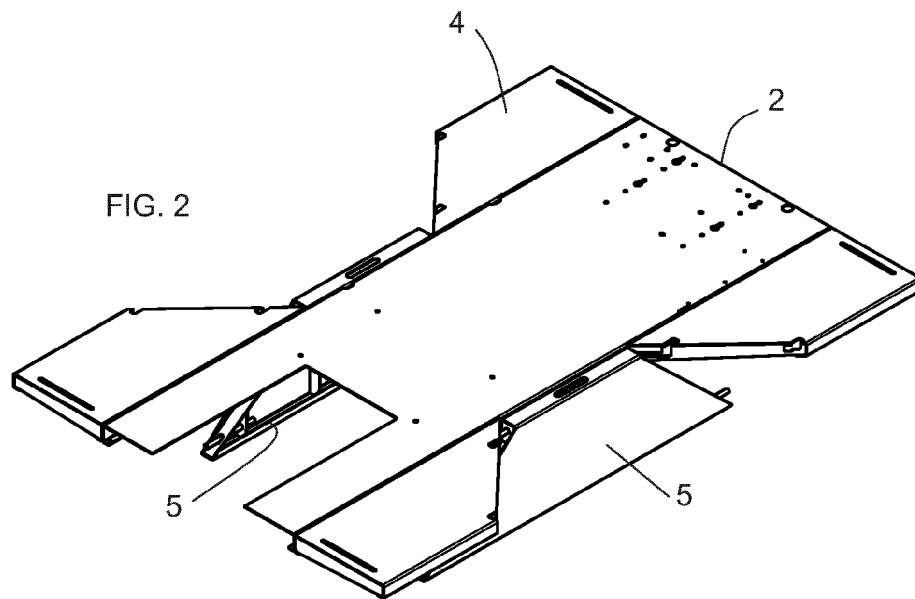
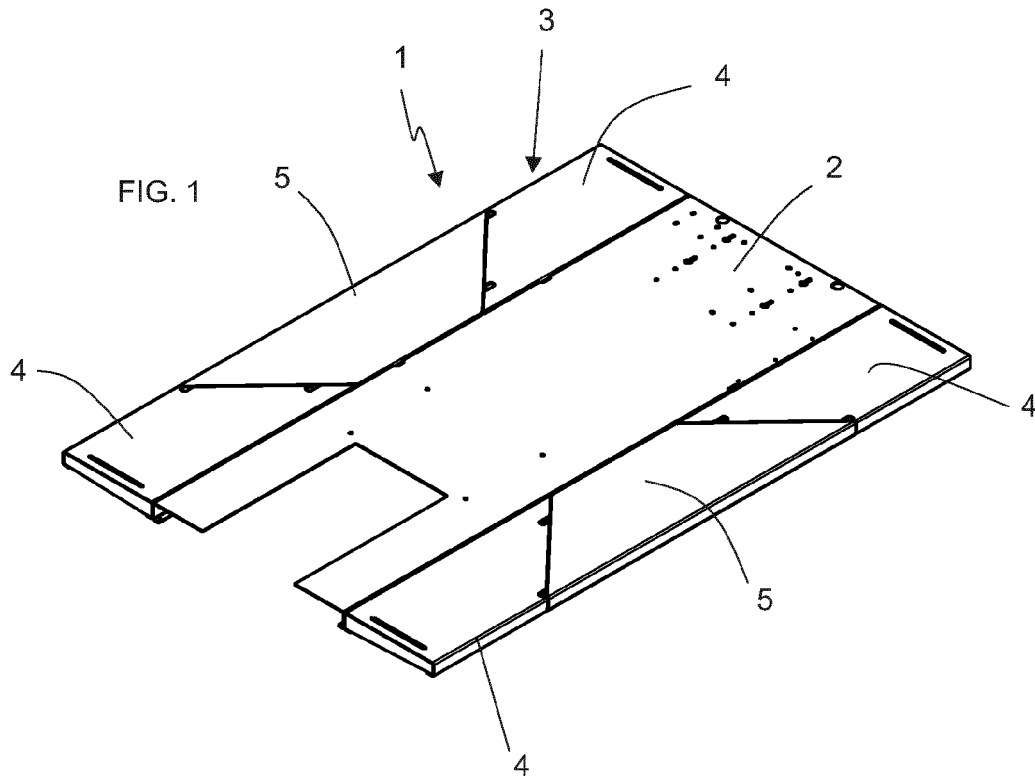


FIG. 3

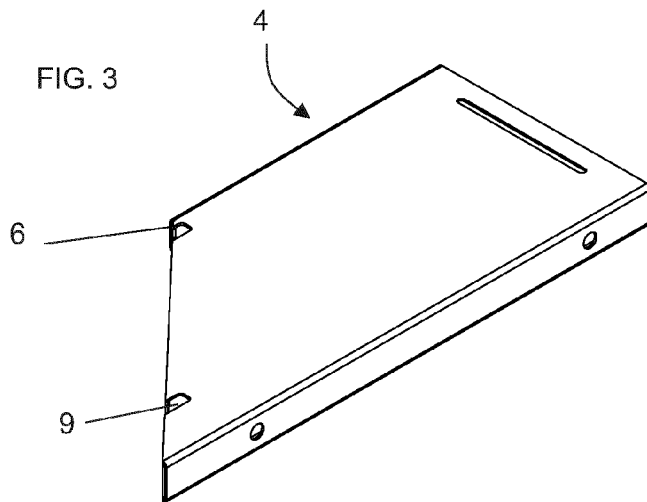


FIG. 4

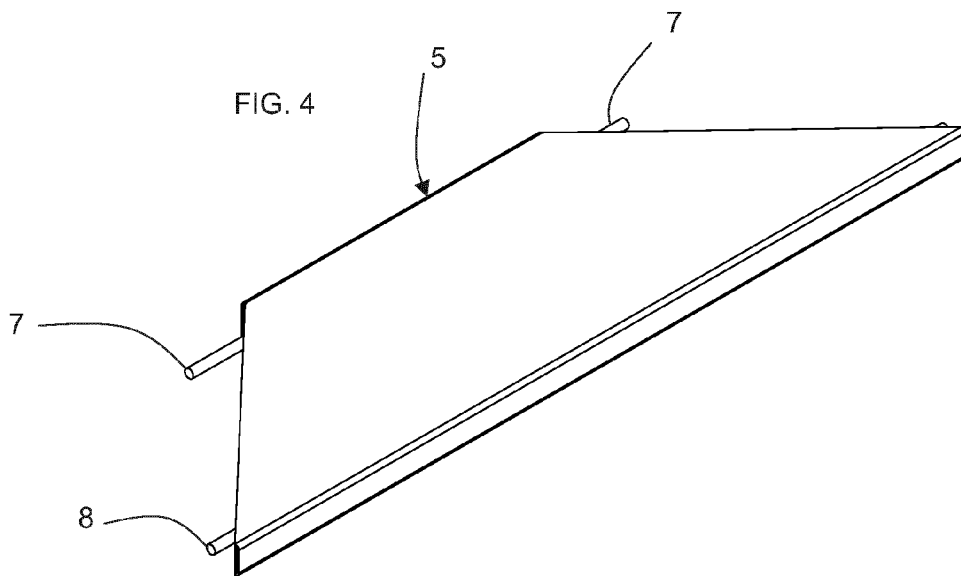
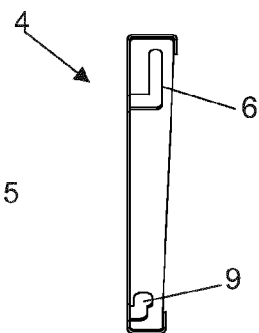


FIG. 5





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Application Number
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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 21 January 2015	Examiner Guthmuller, Jacques
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EPO FORM 1503 03.82 (P04C01)

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