

Title (en)
MECHANISM FOR COLLAPSIBLE BUNK-BEDS

Title (de)
MECHANISMUS FÜR KLAPPBARE STOCKBETTEN

Title (fr)
MÉCANISME POUR LITS SUPERPOSÉS PLIABLES

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Application
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Abstract (en)
[origin: WO2013131946A1] A mechanism (1) for collapsible bunk-beds, comprising a base (2) and an upper bed frame (3) which are connected, on opposite sides, by a pair of first lever systems (5) adapted to allow the movement of the upper bed frame (3) between two stable positions above the base (5). The upper bed frame is adapted to support a mattress (33). Each one of the first lever systems (5) comprises an articulated quadrilateral (6) that lies on a plane that is substantially perpendicular to the plane of the upper bed frame (3). The invention relates also to a supporting frame (600) that is connected to the base (2) and can rotate with respect to a longitudinal axis of the base (2) between an inactive position, in which the supporting frame (600) lies substantially above the lower bed frame (4), and a raised position, in which the supporting frame (600) engages the upper bed frame (3) so as to support its weight along a longitudinal member (32), the supporting frame (600) comprising a locking assembly (640) that is adapted to fix detachably the supporting frame (600) to the upper bed frame (3).

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