

Title (en)  
LIFTING DEVICE FOR LIFTING AND LOWERING LOADS

Title (de)  
HUBVORRICHTUNG ZUM HEBEN UND SENKEN VON LASTEN

Title (fr)  
DISPOSITIF DE LEVAGE POUR LEVER ET ABAISSER DES CHARGES

Publication  
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Application  
**EP 21783164 A 20210922**

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Abstract (en)  
[origin: WO2023046276A1] The invention relates to a lifting device (1) comprising two frame assemblies (2, 3) which lie one over the other with respect to a vertical direction (Z) and the lower frame assembly (2) of which is suspended on the upper frame assembly (3) via lifting pulling means (H1-H4) that can be wound by means of a lifting/lowering device (4). In order to stabilize the lower frame assembly (2), which can be deflected, in a first lateral direction (R1), each of the lifting pulling means (H1-H4) is diverted at least once over the extension thereof such that a diagonal section (H1d-H4d) of each lifting pulling means (H1-H4), said diagonal section running in an inclined manner relative to the vertical direction (Z), crosses a directly adjacent diagonal section (H1d-H4d) of another lifting pulling means (H1-H4), said other diagonal section running in an oppositely inclined manner. According to the invention, diagonal pulling means (S1-S4), which can be wound by a tensioning device, extend between the two frame assemblies (2, 3), two respective directly adjacent diagonal pulling means (S1-S4) thereof crossing each other such that the second frame assembly (3) is also stabilized in a second lateral direction (R2) with respect to the upper frame assembly (3).

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