

Title (en)
DEVICE FOR HOISTING LOADS

Title (de)
VORRICHTUNG ZUM HEBEN VON LASTEN

Title (fr)
DISPOSITIF DE LEVAGE DE CHARGES

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EP 4157774 C0 20240605 (DE)

Application
EP 21710391 A 20210225

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Abstract (en)
[origin: WO2021237256A1] The invention relates to a device for hoisting loads, having a lift car (9), which can be displaced along a vertical guide (10, 11) and is connected to counterweights (5, 6) via four traction means (7, 8), which are each fastened to a load-receiving point (12) of the lift car (9), the traction means (7, 8) being drive-connected to a drive in each case via a drive pulley (14a, 14b, 14c, 14d) in order to displace the lift car (9) and the counterweights (5, 6). According to the invention, in order to allow operation which protects the drives and requires little maintenance, even in the case of large loads distributed unevenly in the lift car, in each case two of the four drive pulleys (14a, 14b, 14c, 14d) are connected to one another for conjoint rotation via a common synchronous shaft (3, 4), which is drive-connected to an asynchronous motor (1, 2) as the drive, and two counterweights (5, 6) are provided, each of which is connected to two traction means (7, 8) assigned to separate synchronous shafts (3, 4).

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