

Title (en)
LIFTING DEVICE

Title (de)
HUBVORRICHTUNG

Title (fr)
DISPOSITIF DE LEVAGE

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Application
EP 17705307 A 20170209

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Abstract (en)
[origin: WO2017137163A1] The invention relates to a lifting apparatus (1) comprising a supporting carriage (3) which can be moved along a track (2), a lifting element (4) for holding a load, a lifting device (5) with which the lifting element (4) can be raised and lowered in the vertical direction (V) relative to the supporting carriage (3), wherein the lifting device (5) comprises at least two tension elements (6, 7, 8, 9), wherein each tension element can be wound onto the supporting carriage (3) by means of a winding apparatus (10, 11, 12, 13). In order to provide a lightweight and universal lifting apparatus of this kind which has compact dimensions and allows stable guidance of the lifting element relative to the supporting carriage, the invention proposes a first drive (18) for driving a first winding apparatus (10, 11) and a second drive (19) for driving a second winding apparatus (12, 13), wherein the first drive (18) comprises a drive motor (21) which drives at least one shaft (23, 24) by means of a conical gear mechanism (22), the shaft drives a roller (14, 15) of the first winding apparatus (10, 11) by means of a gear mechanism element (25, 26), and the second drive (19) comprises a drive motor (27) which drives a roller (16, 17) of the second winding apparatus (12, 13) by means of a spur gear, parallel-shaft gear or planetary gear mechanism (28).

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