

Title (en)  
LIFTING JACK

Title (de)  
HEBEZEUG

Title (fr)  
APPAREIL DE LEVAGE

Publication  
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Application  
**EP 00993403 A 20001202**

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Abstract (en)  
[origin: WO0144100A1] The invention relates to a lifting jack (1) that is provided with a driving wheel (2), an automatic mechanical brake (3), a load wheel (4) and a gearbox (5) which are axially arranged in tandem in a housing. The driving wheel (2) which is provided on one end (6) of a drive shaft (7) can be coupled to the gearbox (5) in a torque-transmitting manner and by means of the drive shaft (7) which intersperses the automatic mechanical brake (3) and the load wheel (4), whereby said gearbox (5) is situated on the remaining end (8) of the drive shaft (7) and drives the load wheel (4). The driving wheel (2) cannot be axially displaced on the drive shaft (7) but is mounted in such a way that said wheel can be relatively rotated in a limited manner. The driving wheel can be coupled to a brake disc (29) in a limited and relatively rotatable manner. Said brake disc can be axially displaced on a thread section (31) of the drive shaft (7) and can be pressed against a pressure disc (33) by integrating a friction disc (32). Said pressure disc is fixed to the housing. The driving wheel (2) is a component of the automatic mechanical brake (3).

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