

Title (en)  
LIFT WITH A 2:1 TOOTH BELT GUIDE

Title (de)  
AUFZUG MIT 2:1 ZAHNRIEMENFÜHRUNG

Title (fr)  
ASCENSEUR AVEC ARRANGEMENT D'UNE COURROIE DENTÉE DE FAÇON 2:1

Publication  
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Application  
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Abstract (en)  
[origin: WO2004078628A2] The invention relates to a lift (1) comprising at least one belt (11) which is used as a carrier or a drive means and is provided with a 2:1 belt guide. When the mechanical linear drive (12), which is arranged laterally in the shaft head (2.1), drives the belt (11) one unit forward by encircling it around a drive wheel (13), the lift cage (3) or the counter weight (4) is displaced by half a unit. One of the extremities of the belt (11) is arranged at a first fixed point (14) of the belt and the second extremity of the belt (11) is arranged at a second fixed point (15) of the belt. The belt (11) is guided via a first deflection roller (16), a profile roller (17), a second deflection roller (18), a third deflection roller (19), via the drive wheel (13) and via a fourth deflection roller (20). Deflection rollers (22) of the linear drive (12) determine the angle of encirclement of the belt (11) on the drive wheel (13).

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