

Title (en)  
Vertical lift

Title (de)  
Vertikalaufzug

Title (fr)  
Ascenseur vertical

Publication  
**EP 0684204 B1 19990526 (DE)**

Application  
**EP 95106053 A 19950422**

Priority  
DE 4418480 A 19940527

Abstract (en)  
[origin: EP0684204A2] The vertical lift has two parallel, vertical tracks (2;3) and has, on the opposite sides, two pairs of drive wheels (4,5;6,7). Each pair of drive wheels running on differently shaped tracks is driven by its own drive motor (9,8) via, if necessary, a gear (9b,8b). The aligned drive shafts (12,13) of solely one pair of flush drive wheels (4;6) are fixed and pivot mounted on the lift, while the second pair of aligned drive shafts (14,15) is pivotally guided in guide rods (8a,9a) which are swivelled on the same pivot axle as the first pair of drive wheels. At least one guide rod is pre-stressed by a spring element to increase the compressive force of the drive wheels.

IPC 1-7  
**B66B 11/04**; **B66B 9/02**

IPC 8 full level  
**B66B 9/02** (2006.01); **B66B 11/04** (2006.01)

CPC (source: EP)  
**B66B 9/02** (2013.01); **B66B 11/0446** (2013.01)

Cited by  
DE102004043298B4; EP2014598A1; EP1860051A1; US2022033226A1; US11584621B2; EP4008671A1; EP3978417A1; US8235178B2

Designated contracting state (EPC)  
DE

DOCDB simple family (publication)  
**EP 0684204 A2 19951129**; **EP 0684204 A3 19960529**; **EP 0684204 B1 19990526**; DE 4418480 A1 19951130; DE 59506000 D1 19990701

DOCDB simple family (application)  
**EP 95106053 A 19950422**; DE 4418480 A 19940527; DE 59506000 T 19950422