

Title (en)  
METHOD AND ARRANGEMENT FOR MODERNIZING AN ELEVATOR

Title (de)  
VERFAHREN UND VORRICHTUNG ZUR MODERNISIERUNG EINES AUFZUGS

Title (fr)  
PROCEDE ET SYSTEME POUR MODERNISER UN ASCENSEUR

Publication  
**EP 1641701 B1 20120307 (EN)**

Application  
**EP 04729906 A 20040428**

Priority  
• FI 2004000257 W 20040428  
• FI 20030974 A 20030630

Abstract (en)  
[origin: WO2005000729A1] The invention relates to a method for modernizing the hoisting function of an elevator with machine room provided with hoisting ropes (4), wherein the suspension (1) of the elevator is changed in connection with modernization to a 4:1 suspension. The rope suspension (1) is provided with at least two diverting pulleys (7, 12), around which the hoisting rope (4) is passed in such manner that, in the running direction of the hoisting rope (4), the first diverting pulley (7) is between diverting pulleys (6) and (S) connected to the counterweight (3), and that, in the running direction of the hoisting rope (4), the second diverting pulley (12) is between diverting pulleys (11) and (13) connected to the elevator car (2). In addition, diverting pulleys (7, 12) are attached to an adjusting element (17), by means of which the angle of the plane of rotation of the diverting pulley can be adjusted.

IPC 8 full level  
**B66B 19/00** (2006.01); **B66B 11/00** (2006.01)

CPC (source: EP)  
**B66B 11/008** (2013.01); **B66B 19/007** (2013.01)

Cited by  
CN104364180A; US9919900B2; US11203511B2; US10850945B2; US9475675B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL HR LT LV MK

DOCDB simple family (publication)  
**WO 2005000729 A1 20050106**; AT E548314 T1 20120315; DK 1641701 T3 20120410; EP 1641701 A1 20060405; EP 1641701 B1 20120307; ES 2379785 T3 20120503; FI 20030974 A0 20030630; JP 2007514622 A 20070607; JP 5122135 B2 20130116

DOCDB simple family (application)  
**FI 2004000257 W 20040428**; AT 04729906 T 20040428; DK 04729906 T 20040428; EP 04729906 A 20040428; ES 04729906 T 20040428; FI 20030974 A 20030630; JP 2006518242 A 20040428