

Title (en)
PULLEY-DRIVEN ELEVATOR

Title (de)
TREIBSCHEIBENAUFZUG

Title (fr)
ASCENSEUR A POULIES MOTRICES

Publication
EP 0917518 B1 20000517 (DE)

Application
EP 97937582 A 19970813

Priority
• DE 19632850 A 19960814
• EP 9704424 W 19970813

Abstract (en)
[origin: US6193017B1] A traction-sheave elevator is provided without a counterweight. The elevator includes an elevator car that is guided in an elevator shaft. A rope is used to carry the car. The elevator further include at least two motor-driven traction-sheaves that are connected one behind the other relative to the rope. The rope wraps around each traction-sheave to define a relative angle of wrap greater than 180°. A tensioning device is connected downstream of the traction-sheaves for self-adjustably applying a requisite tension to the rope after the rope comes off the second traction-sheave. Additionally, a braking device is provided for at least one of the traction-sheaves.

IPC 1-7
B66B 11/08

IPC 8 full level
B66B 7/10 (2006.01); **B66B 11/08** (2006.01)

CPC (source: EP US)
B66B 7/10 (2013.01 - EP US); **B66B 11/007** (2013.01 - EP US); **B66B 11/08** (2013.01 - EP US)

Cited by
EP3070043A1; CN107406228A; US11738971B2; WO2016146483A1; WO2024017989A1

Designated contracting state (EPC)
AT CH DE ES FR GB GR IT LI SE

DOCDB simple family (publication)
US 6193017 B1 20010227; AT E192996 T1 20000615; DE 19632850 A1 19980219; DE 19632850 C2 19980910; DE 59701730 D1 20000621; EP 0917518 A1 19990526; EP 0917518 B1 20000517; ES 2147994 T3 20001001; GR 3034084 T3 20001130; HK 1021891 A1 20000714; WO 9806655 A1 19980219

DOCDB simple family (application)
US 24216699 A 19990210; AT 97937582 T 19970813; DE 19632850 A 19960814; DE 59701730 T 19970813; EP 9704424 W 19970813; EP 97937582 A 19970813; ES 97937582 T 19970813; GR 20000401777 T 20000802; HK 99105503 A 19991126