

Title (en)

BELT-CLIMBING ELEVATOR HAVING DRIVE IN COUNTERWEIGHT

Title (de)

RIEMENKLETTERNDER AUFZUG MIT ANTRIEB IM GEGENGEWICHT

Title (fr)

ASCENCEUR A MONTEE SUR COURROIE DOTE D'UN CONTREPOIDS A ENTRAINEMENT INTEGRE

Publication

EP 1056676 B1 20081022 (EN)

Application

EP 99908277 A 19990219

Priority

- US 9903641 W 19990219
- US 3110898 A 19980226
- US 16358498 A 19980930
- US 21899098 A 19981222

Abstract (en)

[origin: WO9943592A1] An elevator system includes a counterweight-drive assembly (26) having a motor (32) and drive pulley (36) mounted internally to engage a drive belt (42) for climbing or descending with respect thereto, resulting in raising or lowering of an elevator car (12) coupled to said counterweight-drive assembly (26).

IPC 8 full level

B66B 9/02 (2006.01); **B66B 7/06** (2006.01); **B66B 11/00** (2006.01); **B66B 17/12** (2006.01)

CPC (source: EP)

B66B 9/02 (2013.01); **B66B 9/027** (2013.01); **B66B 11/0055** (2013.01); **B66B 17/12** (2013.01)

Citation (examination)

- EP 0565516 A1 19931013 - HAGEL WERNER [AT]
- US 3101130 A 19630820 - GIUSEPPE BIANCA EDOARDO
- US 5191920 A 19930309 - MCGREGOR HAROLD R [US]
- GB 2134209 A 19840808 - BLACKS EQUIP LTD

Designated contracting state (EPC)

DE ES FR IT PT

DOCDB simple family (publication)

WO 9943592 A1 19990902; BR 9908227 A 20001031; CN 1299333 A 20010613; DE 69939773 D1 20081204; DE 69941801 D1 20100121; EP 1056676 A1 20001206; EP 1056676 B1 20081022; ES 2315007 T3 20090316; ES 2336495 T3 20100413; JP 2002504470 A 20020212; JP 4380914 B2 20091209; PT 1056676 E 20081218

DOCDB simple family (application)

US 9903641 W 19990219; BR 9908227 A 19990219; CN 99805444 A 19990219; DE 69939773 T 19990219; DE 69941801 T 19990219; EP 99908277 A 19990219; ES 07008069 T 19990219; ES 99908277 T 19990219; JP 2000533358 A 19990219; PT 99908277 T 19990219