

Title (en)  
Frameless drive for elevator

Title (de)  
Maschinenrahmenlose Antriebseinheit für einen Aufzug

Title (fr)  
Moteur sans châssis pour ascenseur

Publication  
**EP 1531139 B1 20140115 (DE)**

Application  
**EP 04026113 A 20041104**

Priority  
• EP 04026113 A 20041104  
• EP 03405807 A 20031113

Abstract (en)  
[origin: US2005103574A1] A drive unit has at least one motor, a motor stand, a bearing block, a drive pulley and a counter-roller attachment. The drive pulley is mounted at the motor stand and at the bearing block by a shaft. A respective brake is arranged at the bearing block at each side. Webs connect the motor stand with the bearing block. The motor stand, the bearing block and the webs form a stable structure without an engine frame carrying the motor stand and the bearing block being necessary. A counter-roller attachment consisting of side plates and a counter-roller is arranged directly at the motor stand and the bearing block.

IPC 8 full level  
**B66B 11/04** (2006.01); **B66B 11/08** (2006.01); **B66B 11/00** (2006.01); **H02K 7/10** (2006.01); **H02K 7/102** (2006.01); **H02K 7/116** (2006.01)

CPC (source: EP KR US)  
**B66B 11/04** (2013.01 - KR); **B66B 11/043** (2013.01 - EP US)

Cited by  
DE102010034302A1; US7165653B2

Designated contracting state (EPC)  
AT CH DE FR GB LI

DOCDB simple family (publication)  
**US 2005103574 A1 20050519; US 7533868 B2 20090519**; CA 2487580 A1 20050513; CA 2487580 C 20120403; CN 100364875 C 20080130; CN 1616337 A 20050518; EP 1531139 A1 20050518; EP 1531139 B1 20140115; HK 1077560 A1 20060217; JP 2005145717 A 20050609; JP 4938973 B2 20120523; KR 101168185 B1 20120725; KR 20050046594 A 20050518

DOCDB simple family (application)  
**US 97944004 A 20041101**; CA 2487580 A 20041112; CN 200410092380 A 20041110; EP 04026113 A 20041104; HK 05109468 A 20051025; JP 2004315239 A 20041029; KR 20040092238 A 20041112