

Title (en)
ELEVATOR APPARATUS

Title (de)
AUFZUGSVORRICHTUNG

Title (fr)
APPAREIL D ASCENSEUR

Publication
EP 1902994 A4 20130227 (EN)

Application
EP 05765669 A 20050713

Priority
JP 2005012904 W 20050713

Abstract (en)
[origin: EP1902994A1] A car and a counterweight are suspended within a hoistway by means of a main rope. A drive device for raising/lowering the car and the counterweight has a driving sheave around which the main rope is looped. The main rope has a surface formed of a resin. The main rope is also looped around a driven sheave, which is rotated through movement of the main rope. The driven sheave has an outer periphery portion provided with a groove portion into which the main rope is inserted. A coefficient of friction between an inner surface of the groove portion and the main rope is smaller than a coefficient of friction between iron materials.

IPC 8 full level
B66B 7/06 (2006.01); **B66B 15/04** (2006.01)

CPC (source: EP)
B66B 15/04 (2013.01)

Citation (search report)

- [X] US 2004256180 A1 20041223 - EICHHORN ROLAND [CH], et al
- [X] US 2004026676 A1 20040212 - SMITH RORY STEPHEN [US], et al
- See references of WO 2007007400A1

Cited by
EP2679532A1; US9701517B2; US10647547B2; US10773929B2

Designated contracting state (EPC)
DE

DOCDB simple family (publication)
EP 1902994 A1 20080326; EP 1902994 A4 20130227; CN 101048332 A 20071003; JP WO2007007400 A1 20090129;
WO 2007007400 A1 20070118

DOCDB simple family (application)
EP 05765669 A 20050713; CN 200580036823 A 20050713; JP 2005012904 W 20050713; JP 2006520448 A 20050713