

Title (en)  
ELEVATOR APPARATUS

Title (de)  
AUFZUGSVORRICHTUNG

Title (fr)  
APPAREIL D ASCENSEUR

Publication  
**EP 1902994 A1 20080326 (EN)**

Application  
**EP 05765669 A 20050713**

Priority  
JP 2005012904 W 20050713

Abstract (en)  
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)

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