

Title (en)

LINEAR DRIVING APPARATUS, SAFETY GEAR APPARATUS, AND METHOD FOR CONTROLLING ELEVATOR SYSTEM

Title (de)

LINEARANTRIEBSVORRICHTUNG, SICHERHEITSGETRIEBEVORRICHTUNG UND VERFAHREN ZUR STEUERUNG EINES AUFZUGSYSTEMS

Title (fr)

APPAREIL D'ENTRAÎNEMENT LINÉAIRE, APPAREIL D'ÉQUIPEMENT DE SÉCURITÉ ET PROCÉDÉ DE COMMANDE DE SYSTÈME D'ASCENSEUR

Publication

**EP 3904262 A4 20221005 (EN)**

Application

**EP 19903945 A 20190920**

Priority

- CN 201811653563 A 20181229
- CN 2019107046 W 20190920

Abstract (en)

[origin: EP3904262A1] Disclosed are a linear driving apparatus, a safety gear apparatus, and an elevator system and a method for controlling same. The linear driving apparatus comprises a magnetically conductive device (10) and a magnet (30), wherein the magnetically conductive device (10) comprises at least a first side portion (101) and a second side portion (102), and is provided with an enclosed magnetic cavity (33); the magnet (30) is located between the first side portion (101) and the second side portion (102) and comprises at least a first end (31) and a second end (32), wherein the magnetic pole directions of the two ends are opposite, and the first end (31) and the second end (32) correspond to the first side portion (101) and the second side portion (102) respectively; the magnetically conductive device (10) is provided with a winding coil (22), and in the magnetic cavity (33), the winding direction of the winding coil is perpendicular to the direction from the first end (31) to the second end (32) of the magnet (30); and the magnetically conductive device (10) movably fits the magnet (30).

IPC 8 full level

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CPC (source: CN EP)

**B66B 5/044** (2013.01 - CN); **B66B 5/18** (2013.01 - EP); **B66B 5/26** (2013.01 - CN)

Citation (search report)

- [XAY] WO 2008107273 A1 20080912 - SCHNEIDER ELECTRIC IND SAS [FR], et al
- [X] WO 9204721 A1 19920319 - GRUBER BRUNO [DE]
- [Y] CN 106516933 A 20170322 - LIU YINGHUI
- See references of WO 2020134225A1

Designated contracting state (EPC)

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**EP 3904262 A1 20211103**; **EP 3904262 A4 20221005**; CN 109516336 A 20190326; WO 2020134225 A1 20200702

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