

Title (en)

Positioning and synchronization system for elevator car doors

Title (de)

Positionierungs- und Synchronisierungssystem für Aufzugskabinentüren

Title (fr)

Système de positionnement et de synchronisation des portes de cabine de d'ascenseur

Publication

**EP 0841292 A1 19980513 (EN)**

Application

**EP 97308737 A 19971031**

Priority

US 74627796 A 19961107

Abstract (en)

A positioning and synchronization system for elevator car doors (12,14) includes an encoder (60) coupled directly to an encoder pulley (34) for interpreting the position and direction of the elevator car doors. Coupling the encoder directly to the encoder pulley eliminates intermediate linkages that introduce inaccuracies and also eliminates the need for translating the linear position of the elevator car doors into the rotary position of the motor. <IMAGE>

IPC 1-7

**B66B 13/14**; **E05F 15/14**

IPC 8 full level

**B66B 13/14** (2006.01); **B66B 13/08** (2006.01); **E05F 15/14** (2006.01)

CPC (source: EP KR US)

**B66B 13/08** (2013.01 - EP KR US); **B66B 13/14** (2013.01 - KR); **E05F 15/632** (2015.01 - EP US); **E05Y 2900/104** (2013.01 - EP KR US)

Citation (search report)

- [Y] EP 0677475 A2 19951018 - OTIS ELEVATOR CO [US]
- [Y] FR 2175486 A5 19731019 - EATON GMBH [DE]
- [A] EP 0676527 A1 19951011 - OTIS ELEVATOR CO [US]
- [A] PATENT ABSTRACTS OF JAPAN vol. 017, no. 208 (M - 1401) 23 April 1993 (1993-04-23)
- [A] PATENT ABSTRACTS OF JAPAN vol. 095, no. 007 31 August 1995 (1995-08-31)
- [A] PATENT ABSTRACTS OF JAPAN vol. 017, no. 558 (M - 1493) 7 October 1993 (1993-10-07)

Cited by

ES2156076A1; CN110723616A

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 0841292 A1 19980513**; BR 9705417 A 19990914; CN 1183373 A 19980603; JP H10152276 A 19980609; KR 19980042164 A 19980817; SG 63763 A1 19990330

DOCDB simple family (application)

**EP 97308737 A 19971031**; BR 9705417 A 19971104; CN 97122214 A 19971105; JP 30513197 A 19971107; KR 19970058499 A 19971106; SG 1997003799 A 19971020