

Title (en)
Linear motor driven elevator.

Title (de)
Aufzug mit Linearmotorantrieb.

Title (fr)
Ascenseur commandé par un moteur linéaire.

Publication
EP 0400994 A1 19901205 (EN)

Application
EP 90305886 A 19900530

Priority
JP 13730889 A 19890530

Abstract (en)
An elevator is comprised of: a cage 10, a rotatable sheave 15, a rope 11 having a first portion supporting the cage and a second portion passing about the sheave, and a linear motor 30, the linear motor comprising a first element attaching to the sheave and a second fixed element. One of the first element or the second element forms a primary conductor connected to a power source. The other of the first or second element forms a secondary conductor which generates an induced magnetic field due to excitation of the primary conductor, the first element thereby driving the sheave, the rope and hence the cage upwardly and downwardly as desired.

IPC 1-7
B66B 11/04

IPC 8 full level
B66B 9/02 (2006.01); **B66B 11/04** (2006.01)

CPC (source: EP)
B66B 11/0407 (2013.01)

Citation (search report)

- [AD] EP 0048847 A1 19820407 - OTIS ELEVATOR CO [US]
- [A] DE 2002081 A1 19710729 - KLEEMANNNS VEREINIGTE FABRIKEN
- [A] DE 2343461 A1 19750313 - KIRSCH UDO W
- [A] FR 1359951 A 19640430 - MORRIS LTD HERBERT
- [A] DE 3422374 A1 19851219 - HEIDENREICH KURT ERICH [DE]

Cited by
US5625174A; EP0667313A3

Designated contracting state (EPC)
CH DE ES FR GB IT LI

DOCDB simple family (publication)
EP 0400994 A1 19901205; EP 0400994 B1 19940309; DE 69007173 D1 19940414; DE 69007173 T2 19941006; ES 2052175 T3 19940701; HK 1001685 A1 19980703; JP H0313480 A 19910122

DOCDB simple family (application)
EP 90305886 A 19900530; DE 69007173 T 19900530; ES 90305886 T 19900530; HK 98100670 A 19980126; JP 13730889 A 19890530