

Title (en)  
Linear motor driven elevator.

Title (de)  
Aufzug mit Linearmotorantrieb.

Title (fr)  
Ascenseur commandé par un moteur linéaire.

Publication  
**EP 0400994 B1 19940309 (EN)**

Application  
**EP 90305886 A 19900530**

Priority  
JP 13730889 A 19890530

Abstract (en)  
[origin: EP0400994A1] 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)

Cited by  
EP0667313A3; US5625174A

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CH DE ES FR GB IT LI

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**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

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**EP 90305886 A 19900530**; DE 69007173 T 19900530; ES 90305886 T 19900530; HK 98100670 A 19980126; JP 13730889 A 19890530