

Title (en)  
ELEVATOR DEVICE

Title (de)  
AUFZUGSVORRICHTUNG

Title (fr)  
DISPOSITIF POUR ASCENSEUR

Publication  
**EP 1916214 A4 20130116 (EN)**

Application  
**EP 05745868 A 20050531**

Priority  
JP 2005009926 W 20050531

Abstract (en)  
[origin: EP1916214A1] There is provided an elevator apparatus in which the rising of a car moving vertically in an elevator shaft to above a predetermined height is restricted mechanically by a simple method, by which a predetermined space is formed above the car at the time of elevator maintenance work, and thereby the safety of a maintenance worker can be ensured reliably. For this purpose, a locking element is provided on a shaft fixing body at the predetermined height, and an engaging portion is provided on the top of the car, the engaging portion being configured so that the arrangement thereof can be switched between a position at which the engaging portion interferes with a part of the locking element on the vertical projection plane at the time of elevator maintenance work and a position at which the engaging portion does not interfere with the locking element on the vertical projection plane at the time of the normal operation of elevator by an operation on the top of the car.

IPC 8 full level  
**B66B 5/00** (2006.01); **B66B 11/02** (2006.01)

CPC (source: EP)  
**B66B 5/0075** (2013.01); **B66B 11/0246** (2013.01)

Citation (search report)  
• [X] US 2004188184 A1 20040930 - KOCHER JOHANNES [CH], et al  
• [XA] WO 2005026033 A1 20050324 - OTIS ELEVATOR CO [US], et al  
• [X] FR 2795060 A1 20001222 - ANTRAS GILLES [FR]  
• See references of WO 2006129346A1

Cited by  
JP2018104117A; CN109476461A; EP2301881A1; EP3257800A1; CN107522064A; EP2794450A4; US10800636B2; WO2018011461A1; WO2013095408A1; US9764925B2

Designated contracting state (EPC)  
DE

DOCDB simple family (publication)  
**EP 1916214 A1 20080430; EP 1916214 A4 20130116**; CN 1960929 A 20070509; JP WO2006129346 A1 20081225; WO 2006129346 A1 20061207

DOCDB simple family (application)  
**EP 05745868 A 20050531**; CN 200580017878 A 20050531; JP 2005009926 W 20050531; JP 2006524981 A 20050531