

Title (en)  
ELEVATOR

Title (de)  
AUFZUG

Title (fr)  
ASCENSEUR

Publication  
**EP 4385930 A1 20240619 (EN)**

Application  
**EP 22213992 A 20221215**

Priority  
EP 22213992 A 20221215

Abstract (en)  
Elevator (1) with a car (2) and at least two safety gears (3) mounted at a distance from one another on the car (2), as well as an overspeed governor with an activating element controlled by the overspeed governor which, in the event of overspeed, applies a brake actuating force preferably in the form of a tractive force, which is transmitted to the safety gears (3) via a synchronizing device (9) for synchronous triggering, the synchronizing device (9) having a pivot lever (18) for each safety gear (3) which is hinged on its one end side in an hinge area (20) on the clamping body (4) of the safety gear (3), and is connected on the other side via a synchronizing element (10) to another pivot lever (18) which is assigned to another safety gear (3), wherein a translatory movement is superimposed on the pivot levers (18) relative to their pivot axis (21), causing said hinge area (20) of the respective pivot lever (18) to perform a resultant movement which is translatory.

IPC 8 full level  
**B66B 5/04** (2006.01); **B66B 5/18** (2006.01)

CPC (source: EP)  
**B66B 5/04** (2013.01); **B66B 5/18** (2013.01)

Citation (search report)  
• [A] US 2007181378 A1 20070809 - KIGAWA HIROSHI [JP], et al  
• [A] US 2007170010 A1 20070726 - HIGASHINAKA TSUNEHIRO [JP]  
• [A] US 2020198931 A1 20200625 - FAUCONNET AURELIEN [FR], et al

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4385930 A1 20240619**; CN 117886192 A 20240416

DOCDB simple family (application)  
**EP 22213992 A 20221215**; CN 202311724901 A 20231214