

Title (en)
ELEVATOR DEVICE

Title (de)
AUFZUGSVORRICHTUNG

Title (fr)
DISPOSITIF D'ASCENSEUR

Publication
EP 3363759 A4 20190724 (EN)

Application
EP 15906210 A 20151013

Priority
JP 2015078870 W 20151013

Abstract (en)
[origin: EP3363759A1] An elevator device having a novel governor device to infallibly realize meshing between ratchet teeth of a ratchet wheel and a pawl of a fly weight is provided. To fly away a fly weight (18A), with a weight support shaft (27A) to rotatably support the fly weight (18A) as a border, a pawl(28) meshed with ratchet teeth (17) of a ratchet wheel (16) is attached to one side of the fly weight (18A). An inertia mass adjusting unit (33A) to adjust the inertia mass of the fly weight to that equivalent to or smaller than the inertia mass of the ratchet wheel (16) is formed on other side of the fly weight (18A). With this configuration, it is possible to infallibly realize meshing between the ratchet teeth (17) of the ratchet wheel (16) and the pawl (28) of the fly weight (18A), and eliminate adverse effects such as delay of the operation of an emergency stop device.

IPC 8 full level
B66B 5/04 (2006.01)

CPC (source: EP KR)
B66B 5/04 (2013.01 - KR); **B66B 5/046** (2013.01 - EP); **B66B 5/26** (2013.01 - KR)

Citation (search report)

- [A] JP 2006143394 A 20060608 - TOSHIBA ELEVATOR CO LTD
- [A] US 8453799 B2 20130604 - MUELLER JOCHEN [DE], et al
- [A] WO 2010084564 A1 20100729 - MITSUBISHI ELECTRIC CORP [JP], et al
- See references of WO 2017064745A1

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 MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 15906210 A 20151013; CN 201580083717 A 20151013; JP 2015078870 W 20151013; JP 2017545013 A 20151013; KR 20187010100 A 20151013