

Title (en)
ELEVATOR CONTROL APPARATUS

Title (de)
AUFZUGSTEUERVORRICHTUNG

Title (fr)
APPAREIL DE COMMANDE D'ASCENSEUR

Publication
EP 2345615 A4 20140101 (EN)

Application
EP 08878101 A 20081112

Priority
JP 2008070559 W 20081112

Abstract (en)
[origin: EP2345615A1] An elevator control apparatus which performs velocity control by using a model arithmetic operation part is capable of high-following-capability control by predicting the inertia value of a control target. An elevator control apparatus (110) includes an inertia error prediction unit (80A). A first arithmetic operation part (81a) calculates a pre-convergent inertia error (intermediate value) based on integral arithmetic operation of a velocity deviation between a model velocity (\dot{E}_A) and an actual velocity (\dot{E}_M) of a period where an acceleration build-up state and a constant acceleration state of an elevator car are consecutive, and outputs the pre-convergent inertia error to a second arithmetic operation part (82a). The second arithmetic operation part (82a) predicts a post-convergent inertia error based on the intermediate value output from the first arithmetic operation part (81). Based on the post-convergent inertia error predicted by the second arithmetic operation part (82a), a parameter correction unit (90) corrects an inertia value (J_A) preset in a model arithmetic operation unit (30).

IPC 8 full level
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CPC (source: EP KR)
B66B 1/285 (2013.01 - EP); **B66B 1/30** (2013.01 - EP KR); **B66B 1/34** (2013.01 - KR)

Citation (search report)

- [A] JP 2006199444 A 20060803 - MITSUBISHI ELECTRIC CORP
- [AD] JP 2003128352 A 20030508 - MITSUBISHI ELECTRIC CORP
- [A] JP 2002142480 A 20020517 - MITSUBA CORP
- See references of WO 2010055555A1

Cited by
EP2522612A1

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
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