Title (en)

ELEVATOR CONTROL APPARATUS

Title (de)

AUFZUGSTEUERVORRICHTUNG

Title (fr)

APPAREIL DE COMMANDE D'ASCENSEUR

Publication

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Application

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Priority

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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 (É A) and an actual velocity (É 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)

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