

POWER-ASSISTED CART AND METHOD FOR CONTROLLING
POWER-ASSISTED CART

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[ABSTRACT]

The present invention aims to provide a power-assisted cart which a user can operate just like a manual transportation cart. A power-assisted cart (10) includes: an operating force detecting unit
10 (13) detecting an operating force (i) as a positive value when a handlebar (11) is moved forward from a neutral position and (ii) as a negative value when the handlebar (11) is moved backward from the neutral position; a motor (14) driving a wheel (18); a speed sensor (15) detecting a moving speed; and a motor control unit (17)
15 controlling the motor (14) based on the target speed. When the power-assisted cart (10) is moving forward, the target speed generating unit (16) generates the target speed to be (i) faster than the moving speed if the detected operating force is the positive value, and (ii) slower than the moving speed if the detected operating force
20 is the negative value.

Figure 1B