

Title (en)

ELECTRIC WALKING ASSISTANCE DEVICE, PROGRAM FOR CONTROLLING ELECTRIC WALKING ASSISTANCE DEVICE, AND METHOD OF CONTROLLING ELECTRIC WALKING ASSISTANCE DEVICE

Title (de)

ELEKTRISCHE GEHHILFEVORRICHTUNG, PROGRAMM ZUR STEUERUNG EINER ELEKTRISCHEN GEHHILFEVORRICHTUNG UND VERFAHREN ZUR STEUERUNG EINER ELEKTRISCHEN GEHHILFEVORRICHTUNG

Title (fr)

DISPOSITIF ÉLECTRIQUE D'AIDE À LA MARCHE, PROGRAMME DE COMMANDE DE DISPOSITIF ÉLECTRIQUE D'AIDE À LA MARCHE, ET PROCÉDÉ DE COMMANDE DE DISPOSITIF ÉLECTRIQUE D'AIDE À LA MARCHE

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Application

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Abstract (en)

One object of the invention is to provide an electric walking assistance device with which it is possible to prevent a user from falling down, and to provide a program and method for controlling the electric walking assistance device. A power-assisted rollator 100 according to the invention includes a motor 320 powered by a battery 310. A control unit 400 performs an assist control of revolutions of a pair of rear wheels 230 through the motor 320. When it is determined that a rotational acceleration of the pair of rear wheels 230 is equal to or larger than a predetermined value, a speed limiting unit 500 or a control brake unit 700 limits the rotational acceleration of the pair of rear wheels 230.

IPC 8 full level

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Cited by

US2022183920A1; CN109966121A; CN109199802A; CN114466637A; EP4082508A4; FR3095753A1; US2023190568A1; US11793705B2; EP3685814A1; US2020230015A1; EP3443945A1; FR3104942A1; EP4082507A4; US11717462B2; WO2019236627A1; WO2021123700A1; US11276294B2; US11995971B2; US10864127B1; US10993871B2

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