

ABSTRACT

A transport assistance apparatus (1) includes first and second mecanum wheels (21R, 21L), first and second motors (22R, 22L), first and second current sensors (SW1, SW2) that
5 detect induced currents flowing through the motors (22R, 22L) when the mecanum wheels (21R, 21L) rotate, and a controller (4). The controller (4) individually estimates accelerations of the mecanum wheels (21R, 21L) based on the detected induced currents, determines a moving direction of a bed (10) based on the estimated accelerations, and operates the first and second mecanum wheels (21R, 21L) to assist the movement of the bed in the moving direction.