

ABSTRACT

An apparatus for determining a center of gravity position includes a vehicle (1) on which a cargo is loadable, a self-location detector (2, 7, 8) that acquires self-location data of the vehicle (1), a turning parameter generator (20) that calculates a turning parameter based on the self-location data, a steering detector (4) that detects a steering control value of the vehicle (1), a memory (21) that stores reference data, a comparator (22) that compares the turning parameter calculated by the turning parameter generator (20) and the steering control value detected by the steering detector (4) with the reference data, and a determiner (23) that determines a center of gravity position of the vehicle (1) or the cargo based on comparison results of the comparator (22).

FIG. 3