

FORKLIFT TRUCK AND METHOD OF OPERATING THE SAME

ABSTRACT

5 A forklift truck includes a two-dimensional rangefinder, a mover device,
a calculator, and a determiner. The two-dimensional rangefinder emits a
measurement wave in a downwardly inclined direction from above and toward a
first load and measures a distance to a measurement point located on a surface
of the first load. The mover device moves the two-dimensional rangefinder.
10 The calculator calculates a longitudinal distance between the emitting source
and the measurement point. The determiner determines that the first load is in
a condition in which there is a level difference between a front part and a rear
part of an upper surface of the first load, and the front part is higher than the
rear part, when a variation in the longitudinal distance that is generated in
15 response to a displacement of the two-dimensional rangefinder moved by the
mover device exceeds an upper limit of a specified threshold range.

[FIG. 5]