DETECTING SYSTEM FOR CONTAINER'S LOCATION

Abstract of The Disclosure

In order to be able to detect a three-dimensional relative position on a container load cargo with respect to a hoisting accessory, a detecting system for a container's location is provided with a plurality of CCD cameras disposed vertically downward on the hoisting accessory, which is mounted on a crane for conveying containers, and photographing a plurality of corner fittings mounted on the upper surface of the container load cargo, respectively; a distance finder for determining a distance between the hoisting accessory and the container load cargo; an image processor for image-processing video signals from the CCD cameras to detect two-dimensional coordinates of the corner fittings on the upper surface of the container load cargo; and an arithmetic and control unit for performing an arithmetical operation of the three-dimensional relative position on the surface of the container load cargo with respect to the hoisting accessory on the basis of the two-dimensional coordinates of the plurality of corner fittings on the upper surface of the container load cargo, which were detected by the image processor, as well as distance information indicating a distance between the hoisting accessory and the container load cargo, which was determined by the distance finder.

(Fig. 3)