

ABSTRACT

Assistance system for the berthing manoeuvres at a pier

The assistance device (1) operates in a road mode in which the rear wheels (9) are initially straight, and when the front wheels (11) have been turned through a certain steering angle, the rear wheels (9) are controlled to steer proportionately to the steering angle control received by the front wheels (11). This device (1) also operates in a parking mode in which the rear axle (5) steers and in which the steering angle of the rear wheels (9) is controlled via a device (10) for controlling the steering of the rear axle (5). Said device then controls the steering of the rear wheels (9), which is dependent on the distance between the vehicle and the platform and other obstacles in the environment. These distances are measured by distance sensors (15, 16, 17, 18).

FIG. 3