

ABSTRACT

The invention relates to a marine loading system including: an arm having a coupling system for connection to a target manifold for fluid transfer, the manifold and a target located adjacent to the manifold each having tracking means (35) designed to make it possible to determine a relative position; actuators for controlling the movement of the arm in space; optical means (24) supported by the coupling system and suitable for transmitting images of the tracking means; means for controlling the actuators provided on the arm; and computing means (22, 23) for calculating a movement trajectory of the arm towards the manifold on the basis the images of the tracking means of the target (28) and of the manifold, transmitted by the optical means (24), and for generating control instructions determined on the basis of the calculated trajectory and transmitting said instructions to the control means.

(Figure 2)