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(54) Title: MOTION COMPENSATION DEVICE AND METHOD FOR TRANSFERRING A LOAD

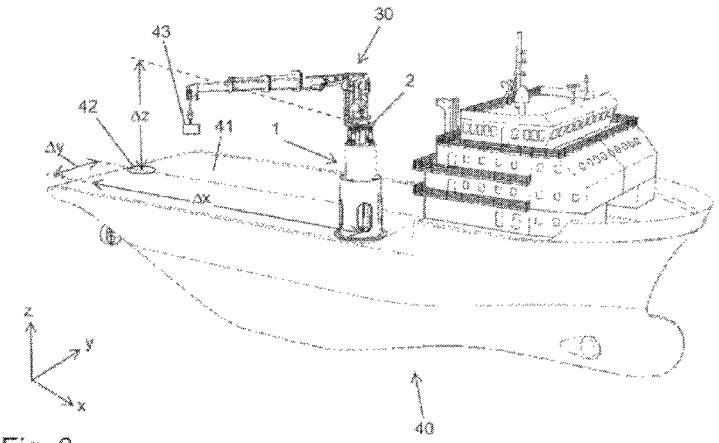


Fig. 3

(57) Abstract: The invention concerns a method for transferring a load between a target position on board a vessel (40) and an outboard position outboard said vessel. The invention further concerns a motion compensation device (1) applying the method. In the method the load is being transferred by a crane (30) carried by a motion compensation device arranged on board the vessel. The motion compensation device comprises a carrier frame (2), a base (3) and an actuator system (8, 9)for moving the carrier frame with respect to the base; the base being fixed to the vessel and the crane being carried by the carrier frame. During picking up a load from the vessel or placing a load on the vessel, the actuator system is being driven in an on board mode such that the carrier frame is being compensated for x-axis rotational movement and y-axis rotational movement of the vessel, and follows, viewed in the vertical direction, the vertical movement of the target location. During picking up a load from the outboard position or placing a load on the outboard position, the actuator system is being driven in an outboard mode such that the carrier frame is being compensated for x-axis rotational movement, y-axis rotational movement and z-axis translational movement of the vessel.

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