Claims

1. System including a hoisting frame and a device for detecting a position of the hoisting frame,

wherein the hoisting frame is elongate and has two mutually opposite short sides, wherein each of the short sides has two mutually opposite ends with couplings arranged on or close to these ends, and wherein each short side of the hoisting frame is formed by an end beam, and the hoisting frame further comprises at least one longitudinal beam, and

wherein said detecting device comprises at least one sensor which is connected movably to the hoisting frame and protrudes outside a periphery thereof in a position of use and which is movable between the position of use and a protected position lying within the periphery of the hoisting frame,

characterized in that the at least one sensor comprises at least two image sensors, at least one image sensor being arranged on each of the short sides at a position lying between the ends thereof, the at least one image sensor being arranged on the end beam substantially in line with the at least one longitudinal beam.

2. System as claimed in claim 1, **characterized in that** the detecting device comprises means for biasing the at least one image sensor from the protected position to the position of use.

3. System as claimed in claim 2, **characterized in that** the biasing means are of mechanical nature.

4. System as claimed in any of the claims 1-3, **characterized in that** the at least one image sensor is received in a body which is shaped such that under the influence of an external load it moves to the protected position.

5. System as claimed in claim 4, **characterized in that** the body has a base part which faces toward the hoisting frame and is relatively wide and an outer end which faces away from the hoisting frame and is relatively narrow, and the at least one image sensor is arranged in or close to the narrow outer end.

6. System as claimed in claim 4 or 5, **characterized in that** the body is mounted slidably in the hoisting frame.

7. System as claimed in claim 4 or 5, **characterized in that** the body is mounted pivotally in

the hoisting frame.

8. System as claimed in any of the claims 4-7, **characterized in that** the body is manufactured from a material able to withstand impact loads.

9. System as claimed in any of the claims 1-8, **characterized in that** the hoisting frame has an upper side with means for suspension thereof from hoisting elements and an underside lying opposite the upper side, and the at least one image sensor has a field of vision oriented toward the underside of the hoisting frame.

10. System as claimed in claim 9, **characterized in that** the field of vision of the at least one image sensor comprises a lower edge of a load attached to the hoisting frame.

11. System as claimed in any of the claims 1-10, **characterized in that** the at least one image sensor comprises a camera or a scanner.

12. System as claimed in any of the claims 1-11, **characterized in that** the detecting device comprises means for connecting the at least one image sensor to a control system for a crane from which the hoisting frame is suspended.

13. Device for detecting a position of a hoisting frame, evidently intended for use in the system as claimed in any of the claims 1-12.

14. Method for controlling a hoisting frame suspended from a crane, comprising the steps of:

- moving the hoisting frame to a first position under the control of an automatic control system;

- holding the hoisting frame stationary in the first position;

- making at least two image recordings of the area around the hoisting frame in the first position by means of at least two image sensors connected to the hoisting frame at different locations, the at least two image sensors forming part of the system as claimed in any of the claims 1-12; and

- moving the hoisting frame to a second position on the basis of the at least two image recordings;

wherein the hoisting frame is moved to the second position under the control of an operator on the basis of the at least two image recordings.

15. Method as claimed in claim 14, **characterized in that** the hoisting frame is moved from the second position to a third position under the control of an automatic control system.

16. Method as claimed in claim 14 or 15, **characterized in that** the first position is located in the vicinity of an entrance to a cell in a container ship.