

AUTOMATIC LIFT CARRIER

ABSTRACT

5 Disclosed herewith an automatic lift carrier, including a supporting frame (2) provided with a moving mechanism (1), a lifting rack (3) mounted on the supporting frame (2), a driving mechanism for driving the lifting rack (3) to move up or down, at least one bearing mechanism (5) arranged on the lifting rack (3), and a control system. The driving mechanism comprises two first motors (41) each having a frequency
10 inverter, driving wheels (42) that are arranged at a right side and a left side of the supporting frame (2) respectively, and a cable assembly connecting the driving wheels (42) with the lifting rack (3). The driving wheels (42) are each connected for power transmission with an output end of a corresponding first motor (41) through a coupling (44), and the output end of each of the first motors (41) having a first
15 encoder.

(Fig. 1)