

ABSTRACT

An inspection apparatus and system for a rail-transportation rolling stock. The inspection apparatus for the rail-transportation rolling stock is used to detect a vehicle to be detected which is parked on a railway (100). The railway is located on an inspection platform (200). An inspection pit (300) is formed in the inspection platform along an extending direction of the railway. The inspection apparatus for the rail-transportation rolling stock includes an inspection robot (400), a lift device group (500), and a control device (600). Wherein the lift device group includes at least one lift device (501) disposed at a side of the railway. The lift device has a liftable structure, and is able to be engaged with the inspection pit and be flush with a surface of the inspection platform by descending and ascending. The control device is communicatively connected to the inspection robot and configured to control an operation of the inspection robot. The inspection apparatus for the rail-transportation rolling stock has a high intelligence.

Fig. 1