

Abstract
INSPECTION SYSTEM

The present invention relates to an inspection system. The inspection system comprises a base, a boom lifting mechanism provided on the base, and a boom mounting a detector. The boom lifting mechanism includes at least two support arms arranged sequentially. The at least two support arms include a base arm and a distal arm. The base arm is connected to the base, the boom is mounted on the distal arm, the inspection system has a scanning state and a transporting state, and two adjacent support arms of the at least two support arms are rotatably connected so that the height of the boom in the scanning state is different from that in the transporting state. The boom lifting mechanism of the inspection system of the present invention lifts the boom by rotatably connecting two adjacent support arms, and presents less required driving force compared to the lifting of the boom directly in a vertical direction in the prior art. Thus, there is less weight of the driving mechanism for driving the lifting of the boom, so as to reduce the self-weight of the inspection system.

[Figure 3]