

ABSTRACT OF DISCLOSURE

A radiation inspection system is disclosed. The radiation inspection system comprises: an inspection passage through which a moving object under inspection can pass, a radiation source disposed on a side of the inspection passage for emitting radiation, an array of detectors disposed on the other side of the inspection passage opposite to the radiation source for receiving the radiation emitted from the radiation source, a detector for detecting the moving object, and a controller for receiving a signal from the detector and controlling the radiation source to emit radiation when the detector detects the moving object for radiation imaging and inspection of the moving object. According to the radiation inspection system, the controller can control the radiation source to automatically emit radiation beam based on the detection signal from the detector for inspecting the moving object. As a result, inspection efficiency is improved, safety is increased, and misoperation of the radiation source is eliminated.



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