

ABSTRACT

The present application discloses a CT system and a detection apparatus for the CT system. The detection apparatus includes: a high-energy detector assembly including a plurality of rows of high-energy detectors arranged along a predetermined trajectory; a low-energy detector assembly including a plurality of rows of low-energy detectors arranged at intervals along the predetermined trajectory, the low-energy detector assembly and the high-energy detector assembly being disposed in a stack; a number of rows of the low-energy detectors is smaller than a number of rows of the high-energy detectors; and each row of the low-energy detectors covers a row of the high-energy detectors. According to the CT system and the detection apparatus for the CT system provided by the embodiments of the present application, the ability to distinguish materials is improved.

FIG. 2