

CT MACHINE

ABSTRACT

5 A CT machine is provided, including: a first frame; a plurality of supporting devices on the first frame; a rotatable portion capable of rotating around a rotation axis when driven by a driving wheel, and the rotatable portion being jointly supported by the plurality of supporting devices during rotation; a scanning device comprising a ray source and a
10 detector, the ray source and the detector being both arranged on the rotatable portion; and an axial limiting mechanism for limiting movements of the rotatable portion along a first direction and a second direction, the first direction and the second direction being both parallel to the rotation axis, and the first direction being opposite to the second direction. The
15 plurality of supporting devices are further configured to limit a movement of the rotatable portion along a first radial direction, the CT machine further comprises a radial limiting mechanism on the first frame, the radial limiting mechanism is configured to limit a movement of the rotatable portion along a second radial direction, the first radial direction and the
20 second radial direction are both parallel to the radial direction of the rotatable portion and opposite to each other.

[Fig No. 2]