

CT DEVICE

ABSTRACT

Provided is a CT device, related to the field of radiation scanning technology. The CT device includes: a rack; support apparatuses disposed on the rack; a rotatable portion configured to be rotatable about a rotation axis under driving of a driving roller, and the rotatable portion is jointly supported by the support apparatuses during rotation of the rotatable portion; a scanning apparatus disposed on the rotatable portion, and the scanning apparatus is configured to scan an object to be inspected; and an axial limiting mechanism including a first pressing roller set and a second pressing roller set respectively disposed on end surfaces of two sides of the rotatable portion in a direction of the rotation axis. Each of the first pressing roller set and the second pressing roller set includes n pressing rollers, n is an integer greater than 3, and at least a portion of an outer peripheral surface of any one of the pressing rollers is in contact with the end surface of the rotatable portion, so as to limit a movement of the rotatable portion in the direction of the rotation axis.

Figure of the abstract: Figure 1