

IMAGING METHOD FOR CT IMAGING SYSTEM

ABSTRACT

Embodiments of the present disclosure provide an imaging method for a CT imaging system, which relates to the field of ray scanning technologies. The CT imaging system includes: an imaging channel; M distributed ray sources, at least one of which including q target spots; N detectors. The q target spots of at least one distributed ray source are arranged at intervals along a first straight line inclined relative to a first direction. The imaging method includes: placing an object to be imaged in the imaging channel; controlling q target spots of at least one distributed ray source to emit ray beams to form an imaging area; detecting, using at least one detector, a ray emitted from at least one distributed ray source and penetrating the object to be imaged, and generating projection data according to the detected ray; and generating a computed tomography image of the object to be imaged according to the projection data. The beam emitting time interval is determined based on an inclination angle of an extension direction of the first straight line relative to the first direction.

FIG. 15