

ABSTRACT

RADIATION DETECTION APPARATUS AND RADIATION IMAGING
SYSTEM

A radiation detection apparatus includes a planar detection unit which has a two-dimensional array of elements which obtain electrical signals based on radiation, and detects radiation upon irradiation, a driving circuit which drives switches for causing the elements to output the electrical signals, an obtaining circuit which obtains the electrical signals from the elements in accordance with the switches being driven, a support base on which the driving circuit and the obtaining circuit are arranged, and a conductive member having a part which is arranged in front of the detection unit when viewed from a radiation source which performs irradiation with radiation used for imaging and is electrically connected to ground of the driving circuit and ground of the obtaining circuit.

(Fig. 1B)