

ABSTRACT

MILLIMETER WAVE IMAGING APPARATUS AND
PROGRAM

There is provided a millimeter wave imaging apparatus including: a lens antenna forming a subject image based on the millimeter waves from a subject; a line sensor including a plurality of millimeter wave sensors and capturing an image for one line of a predetermined width of the whole subject; a reflector having a reflecting surface reflecting millimeter waves; a reflection angle change device changing an angle of the reflecting surface; an image generation device generating an image of the whole subject from the respective subject images for one line; a millimeter wave radiation unit radiating a reference millimeter wave; a correction value setting device setting correction values with respect to the detected values by the millimeter wave sensors based on the millimeter wave from the millimeter wave radiation unit; and a detected value correction device correcting the detected values by the millimeter wave sensors with the correction values.

Fig. 1