

**PREMATURE CONTRACTION DETERMINATION DEVICE,
PREMATURE CONTRACTION DETERMINATION METHOD,
AND PREMATURE CONTRACTION DETERMINATION
PROGRAM**

5 **Abstract**

10 In order to determine the presence or absence of a
premature contraction accurately from images of a heart, a
premature contraction determination device (1) includes: an
acquisition section (101) that acquires a signal waveform
indicating a time-series change in area of a region of each of
the ventricles and the atria in the images of the heart; and a
determination section (104) that determines whether or not a
premature contraction has occurred, by making a comparison
between (i) a time interval from a time point at which the area
15 indicated by the signal waveform equals a reference value to
a next time point at which the area equals the reference value
and (ii) a predetermined threshold.

(FIG. 1)