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(54) INFORMATION RECOGNITION DEVICE, INFORMATION RECOGNITION METHOD, INFORMATION RECOGNITION PROGRAM, AND ALARM SYSTEM

(57) Provided are an information recognition device, an information recognition method, and an information recognition program capable of recognizing predetermined information associated with an object-to-be-detected according to output of thermal radiation detection means for an object-to-be-detected existing in a detection range and a behavior pattern model corresponding to the output of the thermal radiation sensor corresponding to behavior patterns of objects prepared in advance by using a predetermined modeling method. The information recognition device 1 includes an infrared detection unit 10, a behavior pattern model generation unit 11, a behavior pattern model storage unit 12, and a recognition unit 13. The infrared detection unit 10 has a pyroelectric infrared sensor 10a and a signal processor 10b. The behavior pattern model generated is correlated to the behavior content and the attribute information and stored in the behavior pattern model storage unit 12. Information on an object-to-be-detected is recognized according to the output of the infrared detection unit 10 and the behavior pattern model.

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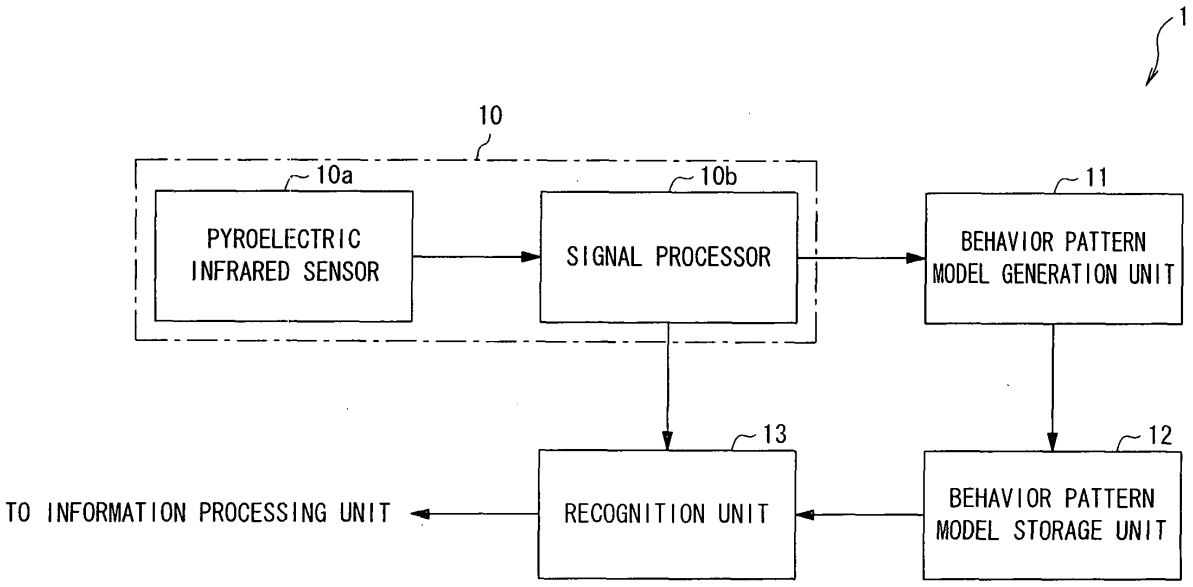
F I G. 1


1
10
10a
PYROELECTRIC INFRARED SENSOR
10b
SIGNAL PROCESSOR
11
BEHAVIOR PATTERN MODEL GENERATION UNIT
13
RECOGNITION UNIT
12
BEHAVIOR PATTERN MODEL STORAGE UNIT
TO INFORMATION PROCESSING UNIT