

APPARATUS AND METHOD FOR MONITORING MOVING OBJECTS IN SENSING AREA

[Abstract]

5 In a monitoring apparatus (1), an optical sensor (13) senses
objects present in a sensing area, and moving speeds and moving
directions of the objects are calculated based on changes with time in
positional information of the sensed objects. An object which meets a
predetermined moving condition is determined as a moving object.
10 Hence an entrance of the moving object into the sensing area can be
monitored. In this apparatus, by a determining section (10e), it is
determined whether or not an object is sensed in an area
(after-passage sensing area) which is set to include positions adjacent
to positions through which the sensed moving object has passed.
15 When the object has been sensed in the area, by the determining
section, it is further determined whether or not the object has remained
for a predetermined determination period of time or more. This
determined result is outputted by an outputting section (12).

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Fig. 2