

[ABSTRACT]

PASSAGE DETECTION SYSTEM, PASSAGE DETECTION METHOD, PASSAGE
DETECTION DEVICE, PROGRAM, AND RECORDING MEDIUM

5 A passage detection system includes a positioning device (130) measuring its
own position using radio navigation and autonomous navigation; and a passage detection
device (110) detecting passage of a vehicle at a predetermined position. The passage
detection device (110) includes a position specifying unit configured to specify a position
of the vehicle by correcting a positioning result measured by the positioning device (130)
10 on the basis of systematic error information prepared in advance regarding a systematic
error of the positioning result of the positioning device (130) and on the basis of a travel
state of the vehicle, and a passage determination unit configured to determine whether
the vehicle has passed the predetermined position on the basis of a variation with time in
the position specified by the position specifying unit.

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FIG. 1