

ABSTRACT

An obstacle detection device (40) of an articulated vehicle (C), comprises a surrounding area calculation unit (41) that calculates a surrounding area (D) in a turning direction of a towing vehicle (X) and a towed vehicle (Y), a passage area calculation unit (42) that calculates a passage prediction area (B, A, AB, A₁B₁, A₂B₂), a monitoring area calculation unit (43) that calculates an area in which the surrounding area (D) and the passage prediction area (AB, A, B, A₁B₁, A₂B₂) overlap as a monitoring area (E, E₁, E₂), and an obstacle detection unit (44) that outputs an obstacle detection information indicating that an obstacle that may be entrapped by a turning of the towing vehicle (X) and the towed vehicle (Y) has been detected, in response to the obstacle detected by the obstacle sensor (30) being detected within the monitoring area (E, E₁, E₂).

FIG. 2