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(54) Title: POSE DETERMINATION METHOD AND APPARATUS, AND ELECTRONIC DEVICE

(54) 发明名称: 一种位姿确定方法、装置及电子设备

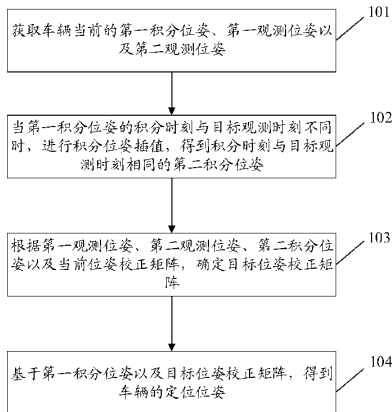


图 1

(57) Abstract: A pose determination method and apparatus, and an electronic device, which are used to solve the problem of the positioning result being unstable due to the observed pose temporally preceding an integrated pose. The method comprises: acquiring the current first integrated pose, first observed pose and second observed pose of a vehicle (101); when the integration moment of the first integrated pose is different from a target observed moment, performing integrated pose interpolation to obtain a second integrated pose having an integration moment the same as the target observed moment (102); on the basis of the first observed pose, the second observed pose, the second integrated pose and a current pose correction matrix, determining a target pose correction matrix (103); and on the basis of the first integrated pose and the target pose correction matrix, obtaining a positioning pose of the vehicle (104). On the basis of the method, the stability and precision of a positioning pose can be improved.

(57) 摘要: 一种位姿确定方法、装置及电子设备, 用于解决观测位姿在时间上早于积分位姿时, 导致定位结果不稳定的问题。该方法包括: 获取车辆当前的第一积分位姿、第一观测位姿以及第二观测位姿 (101); 当第一积分位姿的积分时刻与目标观测时刻不同时, 进行积分位姿插值, 得到积分时刻与目标观测时刻相同的第二积分位姿 (102); 根据第一观测位姿、第二观测位姿、第二积分位姿以及当前位姿校正矩阵, 确定目标位姿校正矩阵 (103); 基于第一积分位姿以及目标位姿校正矩阵, 得到车辆的定位位姿 (104)。基于该方法, 可以提高定位位姿的稳定性和精度。

- 101 Acquire the current first integrated pose, first observed pose and second observed pose of a vehicle
102 When the integration moment of the first integrated pose is different from a target observed moment, perform integrated pose interpolation to obtain a second integrated pose having an integration moment the same as the target observed moment
103 On the basis of the first observed pose, the second observed pose, the second integrated pose and a current pose correction matrix, determine a target pose correction matrix
104 On the basis of the first integrated pose and the target pose correction matrix, obtain a positioning pose of the vehicle

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