INFORMATION PROCESSING DEVICE, TOLL COLLECTION SYSTEM, AND TOLL COLLECTION METHOD

{Abstract}

A central unit (14) calculates the density of vehicles, which is a value indicating the traffic conditions of vehicles traveling on a road corresponding to a road segment indicated by road-range information stored in a road-map storage section (56), on the basis of positional information of the vehicles received by a wide-area communication unit (50), and detects whether or not there is a traffic jam on the road corresponding to the road segment on the basis of the calculated density of the vehicles and a predetermined threshold value. Consequently, it can be detected whether or not there is a traffic jam on the road by using the measured positions of the vehicles.

(FIG. 3)