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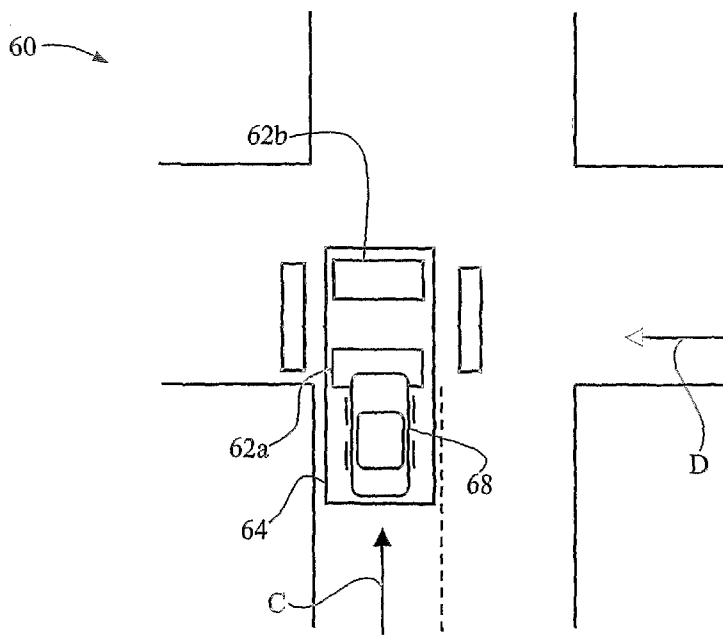
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(54) Title: TRAFFIC VIOLATION METHOD AND SYSTEM



(57) Abstract: A method and system for detecting a traffic violation, the system comprising: a video camera system; and a computer processor for determining whether the violation has occurred; wherein the system is configured to perform any three or more of the following steps: monitoring a first portion (62a) of the region for an initial entry of the vehicle (68) into the region, detection of the initial entry being consistent with the occurrence of the violation; if the initial entry has been detected, monitoring a second portion (62b) of the region for a further entry of the vehicle (68) into the region, detection of the further entry being consistent with the occurrence of the violation; monitoring at least one external region (66a, 66b) lying outside the monitored region and in the path of vehicles travelling in a different direction (D) from the traffic direction (C), the detection of an object in the at least one external region (66a, 66b) being consistent with the non-occurrence of the violation; determining whether the vehicle (68) is travelling in the traffic direction (C) by determining the

component of the velocity of the vehicle (68) in the traffic direction (C), a component greater than zero being consistent with the occurrence of the violation; determining whether said vehicle (68) has a consistent velocity by collecting and comparing a plurality of values of said velocity, a consistent velocity being consistent with the occurrence of said violation; and determining whether an additional initial entry of a vehicle (68) into the region is detected before the further entry of the vehicle is detected, detection of the additional initial entry being consistent with the non-occurrence of the violation; and wherein the violation is found to have occurred if all of those of the steps performed by the system are consistent with the occurrence of the violation.

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