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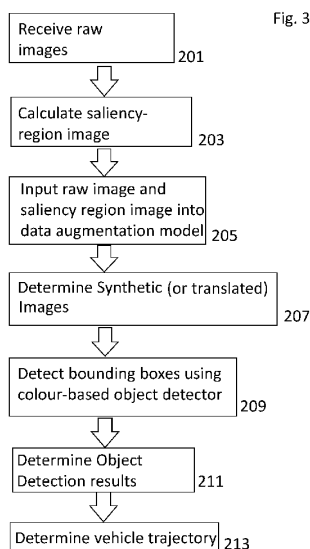
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(54) Title: METHOD AND SYSTEM FOR DETERMINING A TRAJECTORY OF A TARGET OBJECT



(57) Abstract: Method and system (380) for determining a trajectory of a target object (701) are disclosed herein. In a described embodiment, the method includes receiving a plurality of source images of a target object (701) captured by an image capturing device (101); generating corresponding augmented images from the plurality of source images using a data augmentation model trained using a plurality of training images, each augmented image including an augmented target object label (703) associated with the respective target object (701) in the plurality of source images; and tracking movement of the augmented target object label (703) in the corresponding augmented images using an object detector instead of tracking movement of the target object (701), in order to determine a trajectory of the target object (701). A method of training a data augmentation model for use in the method is also disclosed.

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